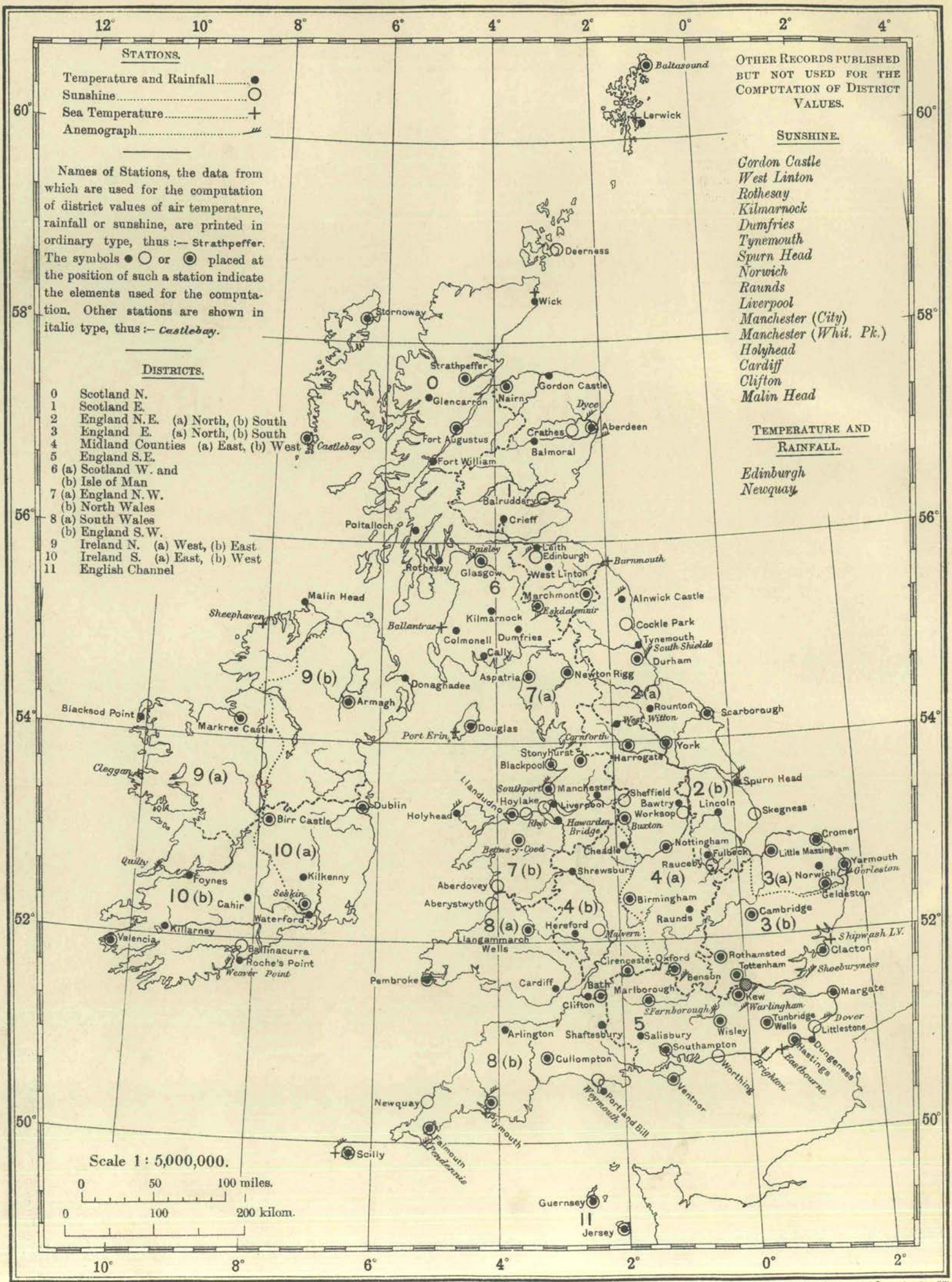
(To face title.

WEEKLY WEATHER REPORT, MAP SHOWING DISTRICTS AND STATIONS DECEMBER 1915.



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METEOROLOGICAL OFFICE.

BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1915.

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PART I.

THE

WEEKLY WEATHER REPORT

(VOL. XXXII.—NEW SERIES).

SECTION 1.—Particulars of Temperature, Rainfall and Bright Sunshine for each week, with quarterly and annual summaries, and an annual table of weekly and progressive values.

Published by the Authority of the Meteorological Committee.

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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1915, PARTS I. & II.

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PREFACE.

The Weekly Weather Report consists of two sections. Section I. contains mean values of temperature, rainfall and sunshine for districts and for stations in the British Isles, and other information as set out below, with appendices. Section II. consists of daily weather charts of the North Atlantic and surrounding continents.

Section I. of the Weekly Weather Report for 1915 was issued in the same form as in the preceding year. Section II. has not yet been prepared.

The general arrangement of the weekly issues of Section I. of the Report is as follows :—

I*a*. Remarks on the weather of the week.
b. Character of the Week, the Season, and the four past Seasons in respect of Warmth, Rainfall and Sunshine, for each of the twelve districts of the British Isles.
II. Temperature of the Coastal Seas.
III. Weekly Summary of temperature, including temperature on the grass and in the ground ; rainfall and sunshine, arranged under **Stations.**
IV. Summary of Autographic Records of Wind.
V. Summaries for the current **Week,** the current **Season** to date, and the current **Year** to date arranged under **Districts.**

I*a*. The **REMARKS** give an account in ordinary language of the weather of the week.

I*b*. The character of the week as regards warmth, rainfall, and sunshine in each district is set out in tabular form. An explanation of the nomenclature used is given on page iv. The classification is based upon the District Values published in Table V. of each weekly issue.

II. **SEA TEMPERATURE.**—This Table, which has been included since the commencement of 1907, gives the mean temperature of the surface of the sea, at a selection of stations on the coast of the British Islands, with the highest and lowest readings. A column showing the differences from the average of the mean values for the week has been included since the beginning of 1912.

The Summary for the year will be found on page xvi. (*See* note on page v.)

III. **WEEKLY SUMMARY FOR STATIONS.**—This Table contains the data from which the district averages in Table V. and the characters in Table I*b*. are found. Results from some stations are included although they are not used for the calculation of district averages. Such stations are shown in italics. It should be noted that the District Value Stations for temperature and rainfall and for sunshine are not in all cases identical.

The Table also includes the lowest temperatures reached on the grass during the week and the number of times when ground frost occurred at each station. The mean temperatures in the ground at depth of 1 foot and 4 feet are given where possible. Notes on the table are given on page v.

IV. **SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.**—This table gives for a number of anemograph stations the duration in hours of winds of gale force (force 8 or above), of high winds (forces 6 and 7), of fresh or moderate winds (forces 4 and 5), of light winds (forces 2 and 3), and of calms and light airs. The dates of occurrence of the gales and high winds are also given, together with particulars of the highest hourly velocity and the highest gust at each station during the week. (*See* page v.)

V. **WEEKLY SUMMARY FOR DISTRICTS.**—The Tabular Summary on the fourth page of each Report gives for each district :—

Temperature.—The highest and lowest observed for the week, the season, and the year, to date, the mean maximum, the mean minimum, the mean temperature for the week, and the difference of the mean temperature from the average for the corresponding period. Values for "accumulated temperature" above 42°F. and below 42°F. are given for the week and for the periods from the beginning of the season and of the year, and the differences from the average values for the corresponding periods. The averages are derived from observations extending over the 25 years 1881–1905. The terms mean temperature and accumulated temperature are explained on pages v and vi. For a full explanation of the rules for computing Accumulated Temperature reference should be made to Appendix II., Quarterly Weather Report, 1878.

Rainfall.—The total fall and the number of rain-days for the week, and for the part of the season and year to date, together with the differences from average for the corresponding periods based on observations from 1881–1905.

Sunshine.—The daily mean of the number of hours of bright sunshine as recorded by the Campbell-Stokes instrument ; the same mean expressed as a percentage of the whole time during which the sun was above the horizon each day ; also similar means and percentages for the current season and year to date, together with the differences between these values and the averages for the corresponding periods in the 25 years 1881–1905.

Pressure.—The district values are the means of the daily observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report situated in the several districts. The values are reduced to Mean Sea Level and are expressed in millibars.

The list of stations used is given on page vi.

(7440—19.) Wt. 160—610. 450. 3/16. D & S. G. 17/ 40.

APPENDICES.

Appendix I. shows for each quarter and for the whole year (1) the number of rain-days, (2) the total rainfall and its percentage of the average, (3) the mean temperature and its difference from the average, (4) the duration of bright sunshine with the daily mean and its percentage of the average. Figures are given for each of the six lustra in the period 1881–1910, and for the years 1911, 1912, 1913, 1914, 1915. The averages are computed in each case for the 30 years 1881–1910 and are printed in the Appendix. In years previous to 1911 the values (1), (2), (3), (4) were given for each individual year of the period since 1878.

Appendix II., the résumé of weekly values for districts, is published in the same form as in previous years.

STATIONS AND DISTRICTS.

The stations used in the preparation of the Report and the districts into which the British Isles are divided for the purposes of the Report are shown in the Frontispiece Map. Particulars of their altitudes, etc., will be found in the introduction to the Monthly Weather Report.

The list of stations used for the preparation of District Values of Temperature, Sunshine and Rainfall remained the same as that of 1914, but a number of additional stations were omitted from Table II. Towards the end of the year returns from the district value station at **Cirencester** were suspended owing to the closing of the Royal Agricultural College, and no substitute has yet been arranged.

A number of sea-temperature stations discontinued their observations.

WEEKLY WEATHER REPORT, 1915.

GUIDE TO THE TABLES CONTAINED IN THE WEEKLY ISSUES.

I.—Explanation of Nomenclature used on First Page of each Weekly Issue.

The Classification is based upon the Values for each District published in Table V. of each Weekly Issue.

Warmth.—The week's warmth is called **unusual** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.**

Rainfall.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.** When the week has been without rain, the word **nought** is inserted in the column for the district.

Sunshine.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.** When the week has been without sunshine the word **nought** is inserted in the column for the district.

The classification may be put briefly in tabular form as below, and a similar table applies to Rainfall and Sunshine also. For the latter elements a week for which the value is **nought** counts as a **very light** or **very scanty** week.

Classification for Warmth.

Number of weeks on the Average in 12 years.					
Very Unusual.	Unusual.	Moderate.	Deficient.	Very Deficient.	Total.
1	3	4	3	1	12
4		4	4		12

The averages referred to above are the smoothed averages of the weekly values published in the Weekly Weather Report for the 25 years 1881–1905. An account of the method of determining the limits of the various classes is given in the introduction to a Report on the Seasons of the British Isles now in preparation.

In the Summaries for Seasons the first figures (**large thick type**) in each column denote the number of weeks of **unusual** warmth, **heavy** rainfall and **abundant** sunshine in each district. The second figures (**small type**) denote the number of **moderate** weeks. The third figures (large type) denote the number of weeks of **deficient** warmth, **light** rainfall, **scanty** sunshine. **Very unusual** weeks are included with **unusual weeks** in this table, and so for the other extreme characters.

II.—Notes on the Statistical Tables of the Report.

TEMPERATURE.—(*a*) **Of the Air.**—The temperature of the air is obtained from self-registering maximum and minimum thermometers placed in a louvred screen, standing on four legs, at a height of about 4 feet above the ground.

The thermometers are read and set at the hour of morning observation (7 a.m. or 9 a.m.) at stations marked *a*, and at the hour of evening observation (generally 9 p.m.) at the stations marked *p*. At the former the maximum temperature is entered to the day preceding that on which it is read, and at the latter to the day of reading. The minimum temperature is entered in all cases to the day of reading.

The mean temperature published in this Report differs from half the sum of the means of the daily maxima and minima by an amount proportional for each month to the difference between these two means. If X and N are the means of the daily maxima and minima, the amounts to be added or subtracted from half (X + N) to get the mean temperature are shown in the following table :—

Month.	Jan. and Dec.	Feb. and Nov.	Mar. and Oct.	Apr. and Sept.	May and Aug.	June and July.
Amount	Add $\frac{1}{50}$ (X—N)	Nil	Subtract $\frac{3}{200}$ (X—N)	Subtract $\frac{6}{250}$ (X—N)	Subtract $\frac{3}{100}$ (X—N)	Subtract $\frac{7}{200}$ (X—N)
Simple Approximate Value.			$\frac{1}{70}$ (X—N)	$\frac{1}{40}$ (X—N)	$\frac{1}{30}$ (X—N)	$\frac{1}{30}$ (X—N)

(*b*) **On the Grass.**—The temperature on the grass is obtained from a minimum thermometer whose stem is protected by an outer glass tube. The thermometer is placed so that it is just level with the top of short grass, *i.e.*, about 2 inches above the ground. A night is reckoned as a night of ground frost if this thermometer falls to 30°·4 F. or below.

(*c*) **In the Ground.**—The temperature of the ground is obtained from thermometers whose bulbs are embedded in a non-conducting material (usually paraffin wax) contained in a glass tube about 1 inch in diameter. The whole thermometer is placed in an iron tube closed at the bottom and covered at the top by a metal lid which prevents the entrance of water into the tube. The readings usually refer to the epoch 9 a.m. Separate iron tubes are used for the 1 foot and 4 feet thermometers.

(*d*) **Of the Sea.**—The temperature of the sea-water is taken from a place where the water is not less than 6 feet deep at low tide and refers to water at least 1 foot below the surface.

RAINFALL.—The rainfall refers to the period of 24 hours beginning at the hour of morning observation, *i.e.*, the measurement made in the morning is entered to the preceding day. The gauges are of 8 inch or 5 inch diameter and the rims are 1 foot above the ground, except at Kew and Falmouth, when the records are taken from the Beckley Autographic Gauges which have a collecting area of 100 square inches and stand with their rims approximately 2 feet above the ground.

A rain-day is a day on which ·01 inch or 0·2 mm. of rainfall is recorded during the period of 24 hours referred to above. As it is the practice to count measurements which lie intermediately between two exact numbers as belonging to the higher number if they lie nearer to it (or half-way between the two) and as belonging to the lower number if they lie nearer to *it*, the exact limits of the amount of rain which determines a rain-day are ·005 inch or ·15 mm. respectively. Days on which precipitation is deposited in the form of dew or hoarfrost are not counted as rain-days in this Report, but they are counted as days of precipitation in the Monthly Weather Report.

SUNSHINE.—The records are obtained from recorders in which the sun's rays are concentrated upon a blue card of definite composition and colour by means of a lens of definite size and refractive index. The specification is given in the Observers' Handbook, M.O. 191. The trace during intermittent sunshine is extended by charring of the card beyond the true limits at which the sun emerges and is obscured, and an allowance, resting on long practice, is made for this extension. The allowance is less than would reduce the record of intermittent burns of short duration in very bright sunshine sufficiently to give the actual time during which the sun was unobscured. The values are, therefore, on the average slightly in excess of the actual duration of sunshine of intensity sufficient to scorch the card.

WIND.—All the records are obtained from instruments of the Dines Pressure Tube type except where otherwise stated. The trace is made by recording the rise and fall of a float which is lifted partly by the pressure of the wind on an open horizontal tube of 28 mm. diameter facing the wind, and partly by the suction of the wind

passing 4 rows of holes in a vertical tube of 44 mm. diameter. The trace has the appearance of a ragged ribbon of varying width and the mean velocity for an hour is obtained by taking a line running along the middle of the ribbon and estimating its mean height above the base line for the period from 30 minutes before to 30 minutes after an exact hour of Greenwich Mean Time.

A wind is taken to be of gale force if the mean velocity for an hour centering at an exact hour of G.M.T. estimated in the manner explained above, reaches or exceeds 17·2 m/s (metres per second) : N.B.—A velocity of 17·2 m/s may be reached or exceeded for a brief time or in gusts during winds which are *not* of gale force.

Winds for which this mean velocity is 10·8 m/s or more but less than 17·2 m/s are counted as High Winds. Winds for which this mean velocity is 5·5 m/s or more, but less than 10·8 m/s are counted as moderate or fresh winds. Winds for which this mean velocity is below 5·5 m/s are counted as calms or light airs.

The gusts are obtained by taking the highest excursion on the ribbon. The velocity is expressed in metres per second ; the direction according to the points of the compass, referred to true, that is Geographical as distinguished from Magnetic, North. The direction of the mean velocity is estimated from the direction record in a manner similar to that used for the estimation of mean velocity. The direction of a gust is taken as nearly as possible for the instant at which the gust occurs.

Times are Greenwich Mean Time (Noon G.M.T. = 12h., 6 p.m. = 18h.).

At most of the stations the anemometer is on the top of a building. The approximate height above the top of the building in the case of these stations is given in the second column for height. At Spurn Head, Gorleston, Shoeburyness, Dover, Benson, Southport, Holyhead, Quilty, Weaver Point, and Scilly, the instrument is supported on a pole rising direct from the ground or from an iron skeleton tower which does not interfere with the wind sufficiently to affect appreciably the recorded value.

DISTRICT VALUES.—The District Values are the means of the station values for each district except in the case of "Accumulated Temperature" which is computed directly from the District Values of Mean Maximum and Mean Minimum Temperature.

The following rules are followed in making the computation in the four cases which may occur :—

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is *above* 42° F. or *equal* to 42° F.	Subtract 42° F. from the mean.	There is none.
If the minimum is *below* 42° F., but the mean for the day is *above* 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the coefficient 0·4.
If the mean for the day is *below* 42° F., but the maximum is *above* 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the coefficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is *below* 42° F. or *equal* to 42° F.	There is none.	Subtract the mean from 42° F.

The average daily values obtained in the manner described are multiplied by 7 to obtain the values for the whole week.

The stations used for the computation of district values have not been the same during the whole period of the Report, but when a station lapses it is if possible replaced by another in the neighbourhood for which the averages of rainfall, temperature and sunshine are similar.

The District Values of Pressure are obtained from the observations at 7 a.m. and 6 p.m. published in the Daily Weather Report for the following stations :—

DISTRICT 0.—Lerwick, Wick, Stornoway, Castlebay.
DISTRICT 1.—Nairn, Aberdeen, Leith.
DISTRICT 2.—Tynemouth, Spurn Head.
DISTRICT 3.—Yarmouth, Clacton.
DISTRICT 4.—Nottingham, Bath.
DISTRICT 5.—Kew, Dungeness, Dover.
DISTRICT 6.—Glasgow, Eskdalemuir.
DISTRICT 7.—Liverpool, Holyhead.
DISTRICT 8.—Pembroke (St. Ann's Head), Newquay, Portland Bill.
DISTRICT 9.—Malin Head, Blacksod Point, Donaghadee.
DISTRICT 10.—Valencia, Roches Point, Birr Castle.
DISTRICT 11.—Scilly, Jersey.

No correction for diurnal range is applied.

AVERAGES.—The averages of air temperature and of rainfall and sunshine for the individual stations in Table III are based upon the monthly averages for these stations for the years 1881–1905. The present averages have been in use since 1908.

The averages for Sea Temperature used in Table II. and for Ground Temperature used in Table III. were computed from the weekly values published in the Reports for the years 1907–1911. No correction has been applied to the averages for shorter periods in the case of stations for which values for the whole 5 years were not available.

The averages used in Table V. are derived from the weekly district values published in the Report but they have been adjusted in cases where the selection of stations for the district differed materially from the selection now used. The averages used are obtained from the actual weekly averages for the 25 years 1881–1905, which are smoothed by the formula $\frac{a + 2b + c}{4}$. For certain districts (0, 1, 6) the averages for mean temperature are for 20 years 1886–1905.

THE BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK.

For the convenience of libraries and others the various serial statistical publications of the Meteorological Office have been grouped together under the general title " British Meteorological and Magnetic Year Book."

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Meteorological Office,
London, S.W.
10th March, 1916.

NAPIER SHAW,
Director.

WEEKLY WEATHER REPORT.

CORRECTIONS AND ADDITIONS FOR 1915.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

Number and Page of Report.	Numbers of Districts and Names of Stations.	TEMPERATURE. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Daily Maximum.	Daily Minimum.	Daily Mean.	Difference from Average.	Accumulated Heat for the week in Day-degrees. Above 42°	Below 42°	RAINFALL. No. of Rain-days.	Total fall.	Difference from the Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from the Average.	Percentage of possible duration.	GROUND TEMPERATURE. Grass Minimum. Ground Frosts.	Lowest Reading.	Earth 1 foot. Mean for Week.	Difference from Average.	Earth 4 feet. Mean for Week.	Difference from Average.
District Values.		°		°		°	°	°	°	Day-deg.	Day-deg.		in.	mm.	mm.	Hrs.	Hrs.	%		°	°	°	°	°
No. 3, p. 8 ..	6. Scotland, W. ..	—	—	—	—	—	—	—	—	—	—	—	2·14	54	+29	—	—	—	—	—	—	—	—	—
No. 5, p. 20 ..	5. England, S.E. ..	—	—	—	—	—	—	—	—	—	—	—	1·02	26	+13	—	—	—	—	—	—	—	—	—
No. 7, p. 28 ..	0. Scotland, N. ..	—	—	—	—	—	—	—	—	—	—	—	0·79	20	- 9	—	—	—	—	—	—	—	—	—
No. 7, p. 28 ..	10. Ireland, S. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·7	+1·1	40	—	—	—	—	—	—
No. 8, p. 32 ..	2. England, N.E. ..	48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 9, p. 36 ..	0. Scotland, N. ..	—	—	—	—	—	—	—	—	—	—	—	2·61	66	+43	—	—	—	—	—	—	—	—	—
No. 9, p. 36 ..	11. English Channel	—	—	—	—	—	—	—	—	—	—	—	0·29	—	—	—	—	—	—	—	—	—	—	—
No. 10, p. 40 ..	9. Ireland, N. ..	—	—	—	—	—	—	—	—	—	—	—	0·15	4	-11	—	—	—	—	—	—	—	—	—
No. 11, p. 44 ..	3. England, E. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·3	-1·6	20	—	—	—	—	—	—
No. 12, p. 48 ..	0. Scotland, N. ..	—	—	—	—	—	—	—	—	—	—	—	0·57	14	-12	—	—	—	—	—	—	—	—	—
No. 12, p. 48 ..	8. England, S.W. ..	—	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 12, p. 48 ..	9. Ireland, N. ..	—	—	—	—	—	—	—	—	—	—	—	0·18	—	—	—	—	—	—	—	—	—	—	—
No. 12, p. 48 ..	11. English Channel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·4	-0·8	37	—	—	—	—	—	—
No. 13, p. 52 ..	4. Midland Counties	—	—	—	—	—	—	—	—	—	—	—	0·26	7	- 3	—	—	—	—	—	—	—	—	—
No 13, p. 52 ..	10. Ireland, S. ..	—	—	—	—	—	—	—	—	—	—	—	0·23	6	-11	—	—	—	—	—	—	—	—	—
No. 14, p. 56 ..	0. Scotland, N. ..	—	—	—	—	—	—	—	—	—	—	—	1·89	48	+23	—	—	—	—	—	—	—	—	—
No. 15, p. 60 ..	9. Ireland, N. ..	—	—	—	—	—	—	—	—	—	—	—	0·22	6	- 7	—	—	—	—	—	—	—	—	—
No. 15, p. 60 ..	10. Ireland, S. ..	—	—	—	—	—	—	—	—	—	—	—	0·08	2	-12	—	—	—	—	—	—	—	—	—
No. 16, p. 64 ..	8. England, S.W. ..	—	—	29	—	51·7	38·8	44·9	−2·0	—	9	—	0·22	6	- 8	—	—	—	—	—	—	—	—	—
No. 17, p. 68 ..	8. England, S.W. ..	—	—	—	—	—	—	—	—	—	—	—	0·21	5	-11	—	—	—	—	—	—	—	—	—
No. 17, p. 68 ..	9. Ireland, N. ..	—	—	—	—	—	—	—	—	—	—	—	0·23	6	- 9	—	—	—	—	—	—	—	—	—
No. 18, p. 72 ..	7. England, N.W. ..	—	—	—	—	—	—	—	—	—	—	—	0·18	5	- 8	—	—	—	—	—	—	—	—	—
No. 18, p. 72 ..	8. England, S.W. ..	—	—	—	—	—	—	—	—	—	—	—	0·33	8	- 6	—	—	—	—	—	—	—	—	—
No. 19, p. 76 ..	2. England, N.E. ..	—	—	—	—	—	—	—	—	—	—	—	0·80	20	+ 9	—	—	—	—	—	—	—	—	—
No. 20, p. 80 ..	0. Scotland, N. ..	—	—	—	—	—	—	—	—	—	—	—	0·07	—	—	—	—	—	—	—	—	—	—	—
No. 21, p. 84 ..	0. Scotland, N. ..	—	—	—	—	—	—	—	—	—	—	—	0·12	—	—	—	—	—	—	—	—	—	—	—
No. 21, p. 84 ..	2. England, N.E. ..	—	—	—	—	—	—	—	—	—	—	—	0·36	9	- 1	—	—	—	—	—	—	—	—	—
No. 22, p. 88 ..	6. Scotland, W. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	+ 4	—	—	—	—	—	—	—	—	—
No. 24, p. 96 ..	9. Ireland, N. ..	—	—	—	—	65·4	48·6	56·5	+1·6	102	—	—	—	—	-16	—	—	—	—	—	—	—	—	—
No. 25, p. 100 ..	0. Scotland, N. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 29, p. 116 ..	0. Scotland, N. ..	70	—	—	—	61·7	50·1	55·5	+0·5	95	—	—	—	—	—	5·2	-0·9	18	—	—	—	—	—	—
No. 30, p. 120 ..	0. Scotland, N. ..	—	—	—	—	—	—	—	—	—	—	—	1·01	26	+ 6	—	—	—	—	—	—	—	—	—
No. 30, p. 120 ..	4. Midland Counties	—	—	—	—	66·7	47·7	56·6	-3·4	102	—	—	0·52	13	- 3	7·8	—	—	—	—	—	—	—	—
No. 30, p. 120 ..	6. Scotland, W. ..	—	—	—	—	—	—	—	—	—	—	—	0·30	8	-12	—	—	—	—	—	—	—	—	—
No. 30, p. 120 ..	7. England, N.W. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8·1	-	—	—	—	—	—	—	—
No. 31, p. 124 ..	1. Scotland, E. ..	—	—	—	—	—	—	—	—	—	—	—	1·17	30	+14	—	—	—	—	—	—	—	—	—
No. 32, p. 128 ..	11. English Channel	—	—	—	—	—	—	—	—	—	—	—	0·44	11	- 3	—	—	—	—	—	—	—	—	—
No. 33, p. 132 ..	3. England, E. ..	—	—	—	—	—	—	—	—	—	—	—	0·52	13	- 1	—	—	—	—	—	—	—	—	—
No. 34, p. 136 ..	4. Midland Counties	—	—	—	—	—	—	—	—	—	—	—	0·18	5	-12	7·1	+1·8	50	—	—	—	—	—	—
No. 35, p. 140 ..	7. England, N.W. ..	—	—	—	—	—	—	—	—	—	—	4	0·73	18	- 5	—	—	—	—	—	—	—	—	—
No. 35, p. 140 ..	8. England, S.W. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·7	+1·3	49	—	—	—	—	—	—
No. 39, p. 156 ..	0. Scotland, N. ..	—	—	—	—	—	—	—	—	—	—	—	0·51	13	-19	—	—	—	—	—	—	—	—	—
No. 43, p. 172 ..	2. England, N.E. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·7	-1·0	17	—	—	—	—	—	—
No. 44, p. 176 ..	10. Ireland, S. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·4	+0·7	35	—	—	—	—	—	—
No. 45, p. 180 ..	8. England, S.W. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·8	-0·4	20	—	—	—	—	—	—
No. 46, p. 184 ..	2. England, N.E. ..	—	—	—	—	—	—	—	—	—	—	—	0·22	6	- 8	—	—	—	—	—	—	—	—	—
No. 47, p. 188 ..	6. Scotland, W. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·7	+0·2	21	—	—	—	—	—	—
No. 50, p. 200 ..	11. English Channel	—	—	—	—	—	—	—	—	—	—	—	1·25	32	+ 8	—	—	—	—	—	—	—	—	—
No. 51, p. 204 ..	5. England, S.E. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-0·3	15	—	—	—	—	—	—
No. 51, p. 204 ..	7. England, N.W. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·7	-0·3	9	—	—	—	—	—	—
Station Values, Additions.																								
No. 1, p. 2 ..	Baltasound	44	3,4	33	9th	40·6	37·3	39·0	—	—	—	6	1·44	37	—	0·2	—	4	—	—	38·5	—	—	—
No. 1, p. 2 ..	Glencarron	—	—	—	—	—	—	—	—	—	—	5	1·34	34	-25	—	—	—	—	—	—	—	—	—
No. 2, p. 6 ..	Poltalloch	49	12–14	26	10th	45·3	36·3	41·0	+1·7	—	—	7	3·47	88	+80	—	—	—	—	—	—	—	—	—
No. 2, p. 6 ..	Llandudno	55	13th	39	10th	50·7	43·0	47·0	+5·5	—	—	4	1·44	37	+22	0·4	-1·0	5	—	—	—	—	—	—
No. 3, p. 10 ..	Llandudno	48	20, 21	36	22nd	46·0	40·7	43·5	+2·0	—	—	3	0·29	7	- 7	1·3	-0·2	16	—	—	—	—	—	—
No. 4, p. 14 ..	Glencarron	—	—	—	—	—	—	—	—	—	—	3	0·32	8	-47	—	—	—	—	—	—	—	—	—
No. 4, p. 14 ..	Rothesay	42	25th	30	24th	39·6	32·9	36·4	-3·1	—	—	1	0·34	9	-15	—	—	—	7	21	35·9	—	41·6	-0·3
No. 5, p. 18 ..	Castlebay	51	3rd	37	31st	48·1	41·6	44·9	+3·5	—	—	7	0·87	22	—	1·5	—	19	—	—	—	—	—	—
No. 7, p. 26 ..	Glencarron	—	—	—	—	—	—	—	—	—	—	5	1·07	27	-18	—	—	—	—	—	—	—	—	—
No. 7, p. 26 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	39·6	-0·1	42·9	0·0

WEEKLY WEATHER REPORT.

CORRECTIONS AND ADDITIONS FOR 1915.

Number and Page of Report.	Numbers of Districts and Names of Stations.	TEMPERATURE. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Daily Maximum.	Daily Minimum.	Daily Mean.	Difference from Average.	Accumulated Heat for the week in Day-degrees. Above 42°	Below 42°	RAINFALL. No. of Rain-days.	Total fall.		Difference from the Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from the Average.	Percentage of possible duration.	GROUND TEMPERATURE. Grass Minimum. Ground Frosts.	Lowest Reading.	Earth 1 foot. Mean for Week.	Difference from Average.	Earth 4 feet. Mean for Week.	Difference from Average.
Station Values, Additions.		°		°		°	°	°	°	Day-deg.	Day-deg.		in.	mm.	mm.	Hrs.	Hrs.	%		°	°	°	°	°
No. 2, p. 34 ..	Glencarron	—	—	—	—	—	—	—	—	—	—	7	5·98	152	+107	—	—	—	—	—	—	—	—	—
No. 9, p. 34 ..	Colmonell	51	4th	32	28, 1	46·4	38·3	42·2	+3·0	—	—	7	1·50	38	+17	—	—	—	—	—	—	—	—	—
No. 9, p. 34 ..	Salisbury (Wilton)..	55	4, 5	34	2nd	50·0	39·6	44·7	+4·8	—	—	3	0·43	11	- 3	—	—	—	—	—	—	—	—	—
No. 12, p. 46 ..	Glencarron	—	—	—	—	—	—	—	—	—	—	3	0·87	22	-21	—	—	—	—	—	—	—	—	—
No. 12, p. 46 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42·9	-0·1	44·1	+0·2
No. 16, p. 62 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·7	—	27	—	—	45·2	—	45·7	—
No. 16, p. 63 ..	Llangammarch Wells	54	18, 22	29	21, 24	51·1	33·8	42·0	-2·8	—	—	3	0·35	9	—	3·5	—	25	6	22	45·0	-0·4	45·0	+0·4
No. 17, p. 67 ..	Llangammarch Wells	68	29th	33	29th	59·1	38·7	48·4	+2·5	—	—	2	0·54	14	—	6·6	—	46	24	27	47·2	+0·9	45·4	+0·1
No. 18, p. 70 ..	Deerness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9·4	+4·0	60	—	—	—	—	—	—
No. 18, p. 70 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	54·2	+3·7	49·5	+0·9
No. 18, p. 70 ..	Llandudno	64	8th	38	3, 4	56·7	41·3	48·5	-0·2	—	—	2	0·24	6	- 4	7·5	+1·6	50	—	—	—	—	—	—
No. 23, p. 90 ..	Baltasound	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51·6	—	—	—
No. 24, p. 95 ..	Markree Castle ..	75	13th	39	19th	69·4	45·6	56·7	+2·4	—	—	1	0·01	0	-17	11·5	+5·8	68	0	33	60·7	—	53·3	—
No. 26, p. 103 ..	Dublin, Trinity Coll.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·3	—	8	0	50	59·7	+1·9	56·0	+0·8
No. 27, p. 107 ..	Dublin, Trinity Coll.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·6	—	22	0	43	60·5	+1·0	56·7	+0·9
No. 29, p. 114 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61·5	-2·0	59·3	-0·7
No. 30, p. 118 ..	Glencarron	65	31	41	26, 31	59·6	44·7	51·6	-2·5	—	—	5	1·21	31	- 3	—	—	—	—	—	—	—	—	—
No. 30, p. 118 ..	Oxford	70	30th	48	26, 30	67·7	50·1	58·3	-3·2	—	—	4	0·41	10	- 3	7·8	+1·3	59	—	42	—	—	—	—
No. 30, p. 118 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61·6	-2·4	59·5	-1·0
No. 30, p. 118 ..	Hoylake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7·9	—	50	—	—	—	—	—	—
No. 31, p. 121 ..	Remarks, 4th line ..	Un	acco	mp	anied	by	thun	der a	fall o	f 21 m	m. wa	s re	corde	d at	Leith.	—	—	—	—	—	—	—	—	—
No. 31, p. 122 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62·5	-1·9	59·9	-1·1
No. 31, p. 123 ..	Dublin, Trinity Coll.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	45	60·3	-1·0	57·1	-1·0
No. 32, p. 126 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	64·0	-0·8	60·4	-1·0
No. 33, p. 130 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63·2	-1·2	61·1	-0·7
No. 33, p. 130 ..	Llandudno	66	17–19	53	18, 19	65·3	54·3	59·5	+0·2	—	—	1	0·49	12	- 5	5·8	-0·4	39	—	—	—	—	—	—
No. 33, p. 131 ..	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·1	—	42	—	—	—	—	—	—
No. 34, p. 134 ..	Harrogate	69	25, 26	46	27	67·4	50·1	58·2	+1·7	—	—	1	0·46	12	- 4	9·7	—	68	0	42	58·2	+1·4	57·0	+0·9
No. 34, p. 134 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63·7	+0·5	61·2	-0·5
No. 35, p. 138 ..	Cromer	62	1st	47	30th	59·6	50·6	54·9	-3·3	—	—	7	0·48	12	—	4·8	—	35	—	—	—	—	—	—
No. 35, p. 138 ..	Bawtry	63	4th	38	4th	60·0	44·4	51·8	-5·8	—	—	3	0·27	4	- 8	—	—	—	—	—	—	—	—	—
No. 35, p. 138 ..	Llandudno	64	30th	44	3rd	60·6	48·6	54·3	-4·3	—	—	4	1·00	25	+ 9	6·0	+1·0	44	—	—	—	—	—	—
No. 35, p. 139 ..	Newquay	64	31st	43	3rd	60·0	52·1	55·9	-3·4	—	—	4	0·51	13	- 1	7·8	+1·6	57	0	38	61·4	—	59·9	—
No. 35, p. 139 ..	Dublin, Trinity Coll.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	39	58·4	-0·6	57·6	-0·5
No. 38, p. 150 ..	Dublin, Phœnix Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-0·1	—	—	—	—	—	—	—
No. 42, p. 167 ..	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·0	—	19	—	—	—	—	—	—
No. 43, p. 170 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50·2	-2·9	54·6	-1·7
No. 43, p. 170 ..	Marlborough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·4	-0·4	24	—	—	—	—	—	—
No. 44, p. 174 ..	Buxton	46	6th	28	3rd	42·6	33·3	38·0	-4·8	—	—	5	0·45	11	-20	3·2	—	34	6	21	40·9	-4·9	49·6	+0·2
No. 44, p. 175 ..	Newquay	54	31st	34	3rd	49·3	38·3	43·8	-6·1	—	—	2	0·24	6	-13	5·6	+2·5	58	3	29	48·2	—	53·5	—
No. 44, p. 175 ..	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·2	—	44	—	—	—	—	—	—
No. 45, p. 178 ..	Aberdeen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46·5	-0·8
No. 45, p. 178 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45·0	-3·3	50·5	-2·9
No. 46, p. 182 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40·5	-5·9	48·8	-3·0
No. 47, p. 188 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	38·5	-6·2	46·3	-4·0
No. 48, p. 190 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	38·4	-5·6	44·8	-4·2
No. 49, p. 194 ..	Cambridge	57	10th	28	9th	52·0	38·9	45·7	+5·3	—	—	5	0·89	22	+12	1·5	+0·1	19	2	24	42·8	+1·3	45·5	-0·8
No. 49, p. 194 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43·5	-0·4	45·1	-3·1
No. 51, p. 202 ..	Gordon Castle ..	45	23rd	33	19th	41·3	35·9	38·6	+0·2	—	—	6	1·50	38	+22	0·3	—	5	—	—	—	—	—	—
No. 51, p. 202 ..	Buxton	47	22, 23	23	19th	42·0	34·7	38·5	+2·3	—	—	6	1·75	44	+14	0·3	—	4	4	16	37·0	-2·7	41·1	-3·1
No. 51, p. 202 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·9	—	12	—	—	39·4	—	42·4	—
No. 51, p. 202 ..	Southampton ..	53	22nd	30	20th	48·0	38·1	43·3	+2·1	—	—	6	1·28	33	+16	1·6	+0·1	21	2	22	—	—	—	—
No. 51, p. 202 ..	Hoylake	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·1	—	15	—	—	—	—	—	—
No. 51, p. 203 ..	Seskin, Carrick-on-Suir.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·3	—	17	—	—	—	—	—	—
No. 52, p. 206 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·3	—	18	—	—	41·9	—	43·0	—
Station Values, Corrections.																								
No. 1, p. 2 ..	Strathpeffer	—	—	—	—	—	30·0	34·5	-2·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 1, p. 2 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·9	—	12	—	—	—	—	—	—
No. 1, p. 2 ..	Buxton	—	—	—	—	—	—	—	—	—	—	—	2·69	68	+39	—	—	—	—	—	—	—	—	—
No. 1, p. 2 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·0	—	26	—	—	—	—	—	—
No. 1, p. 2 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·83	21	+10	—	—	—	—	—	—	—	—	—
No. 1, p. 3 ..	Plymouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·5	+0·9	31	—	—	—	—	—	—
No. 1, p. 3 ..	Birr Castle	—	—	—	—	44·4	—	39·7	-0·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 2, p. 6 ..	Buxton	51	—	—	—	44·1	35·7	40·1	+4·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 2, p. 6 ..	Aspatria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	40·0	—	—	—
No. 2, p. 6 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·82	21	+11	—	—	—	—	—	—	—	—	—
No. 2, p. 6 ..	Manchester (Whit, Pk.)	—	—	—	—	—	—	—	—	—	—	—	1·78	45	+31	—	—	—	—	—	—	—	—	—
No. 2, p. 7 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	0·91	23	+ 3	—	—	—	—	—	—	—	—	—
No. 2, p. 7 ..	Waterford	55	—	—	10th	50·3	—	45·4	+4·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 2, p. 7 ..	Cahir	56	13th	—	—	49·1	—	44·7	+3·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 2, p. 7 ..	Jersey	53	13th	—	—	50·1	—	47·3	+4·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

WEEKLY WEATHER REPORT.

CORRECTIONS AND ADDITIONS FOR 1915.

Number and Page of Report.	Numbers of Districts and Names of Stations.	TEMPERATURE. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Daily Maximum.	Daily Minimum.	Daily Mean.	Difference from Average.	Accumulated Heat for the week in Day-degrees. Above 42°	Below 42°	RAINFALL. No. of Rain-days.	Total fall.	Difference from the Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from the Average.	Percentage of possible duration.	GROUND TEMPERATURE. Grass Minimum. Ground Frosts.	Lowest Reading.	Earth 1 foot. Mean for Week.	Difference from Average.	Earth 4 feet. Mean for Week.	Difference from Average.
Station Values, Corrections.		°		°		°	°	°	°	Day-deg.	Day-deg.		in.	mm.	mm.	Hrs.	Hrs.	%		°	°	°	°
No. 3, p. 10 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·98	25	—	—	—	—	—	—	—	—	—
No. 3, p. 10 ..	Fort Augustus ..	—	—	—	—	—	—	—	—	—	—	—	0·62	16	−16	—	—	—	—	—	—	—	—
No. 3, p. 10 ..	Durham	48	20th	—	—	42·6	—	38·5	+1·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 3, p. 10 ..	Hastings	—	20, 21	—	—	41·7	—	38·0	−1·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 3, p. 10 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·32	8	− 1	—	—	—	—	—	—	—	—
No. 3, p. 10 ..	Holyhead	—	—	—	—	—	—	—	—	—	—	—	0·83	21	+ 4	—	—	—	—	—	—	—	—
No. 3, p. 11 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·8	+0·1	22	—	—	—	—	—
No. 4, p. 14 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	4	0·08	2	—	—	—	—	—	—	—	—	—
No. 4, p. 14 ..	Dumfries	—	—	—	—	—	29·0	34·0	−4·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 4, p. 14 ..	Durham	—	—	—	—	—	30·5	34·7	−2·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 4, p. 14 ..	York	—	—	—	—	40·0	32·7	36·5	−1·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 4, p. 14 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·1	—	14	—	—	—	—	—
No. 4, p. 14 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·08	2	− 7	—	—	—	—	—	—	—	—
No. 4, p. 15 ..	Birr Castle	—	—	—	—	—	—	—	—	—	—	—	0·16	4	−11	—	—	—	—	—	—	—	—
No. 4, p. 15 ..	Armagh	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—	—	—	—
No. 5, p. 18 ..	Shrewsbury	—	—	—	—	50·6	37·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 5, p. 18 ..	Salisbury (Wilton)..	—	2–4	30	31st	48·1	37·4	42·8	+4·5	—	—	—	2·00	51	+36	—	—	—	2	—	39·9	—	—
No. 5, p. 18 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·75	19	+10	—	—	—	—	—	—	—	—
No. 5, p. 18 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·2	—	14	—	—	—	—	—
No. 6, p. 22 ..	Durham	—	—	27	13th	—	32·9	37·0	−0·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 6, p. 22 ..	Shrewsbury	—	—	—	—	—	31·9	39·1	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 6, p. 22 ..	Ventnor	—	—	—	—	—	38·3	43·0	+1·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 6, p. 22 ..	Hampstead	—	—	—	—	—	—	—	—	—	—	—	1·09	28	—	—	—	—	—	—	—	—	—
No. 6, p. 22 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·53	13	+ 4	—	—	—	—	—	—	—	—
No. 6, p. 23 ..	Shaftesbury	—	—	—	—	—	32·1	37·9	−0·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 7, p. 26 ..	Harrogate	—	—	—	—	—	32·9	38·3	+1·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 7, p. 26 ..	Shrewsbury	—	—	—	—	47·1	—	40·4	+0·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 7, p. 26 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·9	—	40	—	—	—	—	—
No. 7, p. 26 ..	Ventnor	—	—	—	—	—	38·6	43·6	+1·8	—	—	—	—	—	—	—	—	—	4	—	—	—	—
No. 7, p. 26 ..	Hampstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 7, p. 26 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	4	0·44	11	+ 2	—	—	—	—	—	—	—	—
No. 7, p. 26 ..	Bettws-y-Coed ..	—	—	—	—	45·0	—	39·3	−1·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 7, p. 27 ..	Waterford	—	—	—	—	—	35·1	41·3	−0·2	—	—	—	—	—	—	4·2	—	43	—	—	—	—	—
No. 7, p. 27 ..	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	1·15	29	+13	—	—	—	—	—	—	—	—
No. 8, p. 30 ..	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 8, p. 30 ..	West Witton	—	25th	—	22nd	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 8, p. 30 ..	Fulbeck	47	—	—	—	42·3	—	36·1	−3·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 8, p. 30 ..	Harrogate	—	—	—	—	—	—	—	—	—	—	—	0·42	11	− 2	—	—	—	—	—	—	—	—
No. 8, p. 30 ..	Cheadle	46	21st	—	—	41·6	—	35·1	−2·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 8, p. 30 ..	Shrewsbury	—	—	—	—	44·1	—	37·1	−2·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 8, p. 30 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	4	0·32	8	− 1	—	—	—	—	—	—	—	—
No. 9, p. 34 ..	Gordon Castle ..	—	—	—	—	—	34·7	40·0	+1·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 9, p. 34 ..	Rounton	—	—	—	—	—	37·0	41·9	+3·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 9, p. 34 ..	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·29	7	− 4	—	—	—	—	—	—	—	—
No. 9, p. 34 ..	York	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·3	−0·3	22	—	—	—	—	—
No. 9, p. 34 ..	Greenwich	—	—	—	—	50·6	—	45·1	+4·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 9, p. 34 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·67	14	+ 5	—	—	—	—	—	—	—	—
No. 9, p. 35 ..	Birr Castle	55	3rd	—	—	50·4	—	43·5	+2·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 9, p. 35 ..	Guernsey (Villa Carey).	—	—	—	—	—	—	—	—	—	—	4	0·28	7	− 9	—	—	—	—	—	—	—	—
No. 10, p. 38 ..	Fulbeck	—	—	—	—	—	34·9	41·1	+0·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 10, p. 38 ..	Buxton	—	—	—	—	—	34·3	38·5	+1·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 10, p. 38 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	1	0·01	0	−11	—	—	—	—	—	—	—	—
No. 10, p. 39 ..	Shaftesbury	—	—	—	—	45·7	—	39·4	−0·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 10, p. 39 ..	Blacksod Point ..	—	—	—	—	—	—	—	—	—	—	3	0·24	6	−16	—	—	—	—	—	—	—	—
No. 10, p. 39 ..	Birr Castle	—	—	—	—	—	—	—	—	—	—	—	0·16	4	− 9	—	—	—	—	—	—	—	—
No. 11, p. 42 ..	Lerwick	—	—	—	—	40·4	—	35·6	−2·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 11, p. 42 ..	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	0·35	9	− 6	—	—	—	—	—	—	—	—
No. 11, p. 42 ..	Durham	—	—	—	—	—	—	—	—	—	—	—	0·67	17	+ 7	—	—	—	—	—	—	—	—
No. 11, p. 42 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·09	2	− 7	—	—	—	—	—	—	—	—
No. 11, p. 42 ..	Little Massingham..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·9	−0·8	25	—	—	—	—	—
No. 11, p. 42 ..	Tottenham	—	—	—	—	47·4	37·3	42·2	+0·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 12, p. 46 ..	Tottenham	—	—	—	—	48·9	34·7	41·6	−0·6	—	—	—	—	—	—	—	—	—	5	—	—	—	—
No. 12, p. 46 ..	Raunds	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 12, p. 46 ..	Westminster	—	—	—	—	—	36·8	43·4	+0·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 12, p. 46 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·29	7	− 2	—	—	—	—	—	—	—	—
No. 12, p. 46 ..	Cheadle	—	—	—	22, 27	48·6	32·7	40·4	+0·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 12, p. 47 ..	Llangammarch Wells	—	—	19	21st	—	29·6	38·5	−2·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 12, p. 47 ..	Blacksod Point ..	—	—	31	27th	—	36·3	41·8	−2·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 12, p. 47 ..	Birr Castle	—	—	—	—	—	—	—	—	—	—	—	0·08	2	−11	—	—	—	—	—	—	—	—
No. 12, p. 47 ..	Guernsey (Villa Carey).	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·6	−0·3	38	—	—	—	—	—
No. 13, p. 50 ..	Castlebay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·2	—	49	—	—	—	—	—
No. 13, p. 50 ..	Rounton	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18	—	—	—
No. 13, p. 50 ..	West Witton	—	—	—	—	45·7	—	37·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 13, p. 50 ..	Tottenham	56	1st	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 13, p. 50 ..	Cheadle	50	31, 2	20	—	46·7	28·1	37·1	−4·2	—	—	2	0·45	11	− 1	—	—	—	—	—	—	—	—

WEEKLY WEATHER REPORT.

CORRECTIONS AND ADDITIONS FOR 1915.

Number and Page of Report.	Numbers of Districts and Names of Stations.	TEMPERATURE. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Daily Maximum.	Daily Minimum.	Daily Mean.	Difference from Average.	Accumulated Heat for the week in Day-degrees. Above 42°	Below 42°	RAINFALL. No. of Rain-days.	Total fall.	Difference from the Average.	BRIGHT SUNSHINE. Hours per Day. Daily mean.	Difference from the Average.	Percentage of possible duration.	GROUND TEMPERATURE. Grass Minimum. Ground Frosts.	Lowest Reading.	Earth 1 foot. Mean for Week.	Difference from Average.	Earth 4 feet. Mean for Week.	Difference from Average.
Station Values, Corrections.		°		°		°	°	°	°	Day-deg.	Day-deg.		in.	mm.	mm.	Hrs.	Hrs.	%		°	°	°	°	°
No. 13, p. 50 ..	Shrewsbury	—	—	—	—	—	28·3	38·8	-4·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 13, p. 50 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 13, p. 50 ..	Dungeness	—	—	—	—	—	—	—	—	—	—	2	0·22	—	—	—	—	—	—	—	—	—	—	—
No. 13, p. 51 ..	Clifton	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·5	—	36	—	—	—	—	—	—
No 13, p. 51 ..	Malin Head	—	—	32	28, 29	—	36·9	42·3	-0·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No 13, p. 51 ..	Foynes	—	—	—	—	—	—	—	—	—	—	3	0·09	2	-13	—	—	—	—	—	—	—	—	—
No. 14, p. 54 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·83	21	—	—	—	—	—	—	—	—	—	—
No. 14, p. 54 ..	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	2·11	54	+42	—	—	—	—	—	—	—	—	—
No. 14, p. 54 ..	Glencarron	—	—	—	—	—	—	—	—	—	—	—	3·96	101	+65	—	—	—	—	—	—	—	—	—
No. 14, p. 54 ..	Raunds	—	—	—	—	—	—	—	—	—	—	1	0·13	3	—	6·7	—	52	—	—	—	—	—	—
No. 14, p. 54 ..	Newton Rigg	—	—	—	—	—	—	—	—	—	—	—	0·54	14	+ 1	—	—	—	—	—	—	—	—	—
No. 14, p. 54 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·41	10	+ 2	—	—	—	—	—	—	—	—	—
No. 14, p. 54 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·3	—	33	—	—	—	—	—	—
No. 14, p. 55 ..	Foynes	—	—	—	—	—	—	—	—	—	—	—	1·60	41	+26	—	—	—	—	—	—	—	—	—
No. 15, p. 58 ..	Balmoral	—	—	—	—	—	—	—	—	—	—	6	0·26	7	- 7	—	—	—	—	—	—	—	—	—
No. 15, p. 58 ..	Buxton	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—
No. 15, p. 58 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·09	2	- 6	—	—	—	—	—	—	—	—	—
No. 15, p. 58 ..	Bettws-y-Coed ..	—	—	—	—	53·4	—	47·2	+1·7	—	—	—	—	—	—	4·2	—	31	—	—	—	—	—	—
No. 15, p. 59 ..	Birr Castle	—	—	—	—	—	—	—	—	—	—	—	0·08	2	-10	2·2	-2·6	—	—	—	—	—	—	—
No. 16, p. 62 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	1·08	27	—	—	—	—	—	—	—	—	—	—
No. 16, p. 62 ..	York	—	—	—	—	—	—	—	—	—	—	2	0·06	2	- 8	2·8	-1·8	20	—	—	—	—	—	—
No. 16, p. 62 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·1	—	29	—	—	—	—	—	—
No. 16, p. 62 ..	Norwich	65	—	30	—	55·4	35·7	45·1	-1·4	—	—	—	—	—	—	—	—	—	—	26	—	—	—	—
No. 16, p. 62 ..	Newton Rigg	—	—	—	—	—	36·7	43·6	-0·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 16, p. 62 ..	Blackpool	—	—	—	23rd	—	40·0	45·5	-0·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 16, p. 62 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	3	0·08	2	- 6	—	—	—	—	—	—	—	—	—
No. 16, p. 63 ..	Shaftesbury	—	—	—	—	—	35·3	42·8	-2·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 16, p. 63 ..	Markree Castle ..	—	—	—	—	54·6	—	47·2	+1·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 17, p. 66 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·20	5	—	—	—	—	—	—	—	—	—	—
No. 17, p. 66 ..	Stornoway	—	—	37	30th	—	40·6	46·3	+2·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 17, p. 66 ..	Tynemouth	—	—	—	—	—	39·7	44·8	-0·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 17, p. 66 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·48	12	+ 4	—	—	—	—	—	—	—	—	—
No. 17, p. 67 ..	Cardiff	—	—	—	—	61·3	—	51·0	+1·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 17, p. 67 ..	Birr Castle	—	—	—	—	—	—	—	—	—	—	—	0·22	6	- 7	—	—	—	—	—	—	—	—	—
No. 18, p. 70 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·17	4	—	—	—	—	—	—	—	—	—	—
No. 18, p. 70 ..	Stornoway	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9·3	+3·6	60	—	—	—	—	—	—
No. 18, p. 70 ..	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·19	5	- 5	—	—	—	—	—	—	—	—	—
No. 18, p. 70 ..	Spurn Head	—	—	—	—	—	43·1	47·6	+0·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 18, p. 70 ..	Cheadle	—	—	—	—	59·9	—	49·5	+2·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No 18, p. 70 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·5	—	44	—	—	—	—	—	—
No. 18, p. 70 ..	Worthing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·7	—	46	—	—	—	—	—	—
No. 18, p. 70 ..	Margate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·0	+0·2	41	—	—	—	—	—	—
No. 18, p. 70 ..	Dungeness	—	—	—	—	—	—	—	—	—	—	—	0·20	5	- 2	—	—	—	—	—	—	—	—	—
No. 18, p. 70 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·16	4	- 5	—	—	—	—	—	—	—	—	—
No. 18, p. 70 ..	Manchester (Whit. Pk.).	—	—	—	—	—	—	—	—	—	—	2	0·18	5	- 6	—	—	—	—	—	—	—	—	—
No. 18, p. 71 ..	LlangammarchWells	—	—	—	—	—	41·0	51·0	+4·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 18, p. 71 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	0·20	5	- 6	—	—	—	—	—	—	—	—	—
No. 18, p. 71 ..	Plymouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53·8	+2·4	49·7	—
No. 18, p 71 ..	Birr Castle	—	—	—	—	—	41·6	49·8	+1·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 18, p. 71 ..	Cahir	—	8th	—	3rd	59·6	43·4	51·0	+2·6	—	—	4	0·15	—	—	—	—	—	—	—	—	—	—	—
No. 19, p. 74 ..	Dumfries	—	—	—	—	—	34·3	42·7	-6·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 19, p. 74 ..	Scarborough	—	—	—	—	—	—	—	—	—	—	—	1·08	27	+17	—	—	—	—	—	—	—	—	—
No. 19, p. 74 ..	Rauceby	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53·6	+1·5	—	—
No. 19, p. 74 ..	Buxton	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—
No. 19, p. 74 ..	Cheadle	—	11th	—	—	53·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 19, p. 74 ..	Shrewsbury	—	—	—	—	53·1	—	46·9	-3·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 19, p. 74 ..	Westminster	—	—	—	—	—	42·7	51·1	-0·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 19, p. 74 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·47	12	+ 3	—	—	—	—	—	—	—	—	—
No. 19, p. 74 ..	Holyhead	—	9-11	—	—	53·4	—	47·7	-1·5	—	—	—	—	—	—	—	—	—	—	—	55·8	+2·3	51·4	—
No. 19, p. 75 ..	Plymouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 19, p. 75 ..	Birr Castle	69	9th	—	—	56·6	39·7	47·6	-1·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 19, p. 75 ..	Dublin, City	—	—	36	15th	—	43·3	48·5	-2·6	—	—	—	—	—	—	—	—	—	—	32	—	—	—	—
No. 20, p. 78 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·09	2	—	—	—	—	—	—	—	—	—	—
No. 20, p. 78 ..	Castlebay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8·6	—	53	—	—	—	—	—	—
No. 20, p. 78 ..	Glencarron	—	—	—	—	58·9	—	48·2	+1·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 20, p. 78 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·8	—	24	—	—	—	—	—	—
No. 20, p. 78 ..	Shrewsbury	—	—	—	—	63·0	—	53·0	+1·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 20, p. 78 ..	Westminster	—	—	—	16, 19	—	48·2	54·6	+1·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 20, p. 78 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·65	17	+ 7	—	—	—	—	—	—	—	—	—
No. 20, p. 79 ..	Plymouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53·8	-1·6	51·8	—
No. 20, p. 79 ..	Valencia	—	—	41	16th	—	49·0	53·4	+1·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 21, p. 82 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·09	2	—	—	—	—	—	—	—	—	—	—
No. 21, p. 82 ..	Castlebay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12·2	—	73	—	—	—	—	—	—
No. 21, p. 82 ..	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·48	12	+ 1	—	—	—	—	—	—	—	—	—
No. 21, p. 82 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8·1	—	50	—	—	—	—	—	—

WEEKLY WEATHER REPORT.

CORRECTIONS AND ADDITIONS FOR 1915.

Number and Page of Report.	Numbers of Districts and Names of Stations.	TEMPERATURE. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Daily Maximum.	Daily Minimum.	Daily Mean.	Difference from Average.	Accumulated Heat for the week in Day-degrees. Above 42°	Below 42°	RAINFALL. No. of Rain-days.	Total fall.	Difference from the Average.	BRIGHT SUNSHINE Hours per Day. Daily Mean.	Difference from the Average.	Percentage of possible duration.	GROUND TEMPERATURE. Grass Minimum. Ground Frosts.	Lowest Reading.	Earth 1 foot. Mean for Week.	Difference from Average.	Earth 4 feet. Mean for Week.	Difference from Average.
Station Values, Corrections.		°		°		°	°	°	°	Day-deg.	Day-deg.		in.	mm.	mm.	Hrs.	Hrs.	%		°	°	°	°	°
No. 21, p. 82 ..	Shrewsbury	—	—				41·3	54·5	+1·5	—	—	—	—	—	—				—	—	—	—	—	—
No. 21, p. 82 ..	Hawarden Bridge ..	—	—				—	—	—				0·03	—	—									
No. 21, p. 83 ..	Plymouth	—	—				—	—	—				—	—	—						60·2	+3·4	53·0	—
No. 21, p. 83 .	Foynes	—	—	45	28th	—	49·6	57·6	+4·5	—	—	—	—	—	—						—	—	—	—
No. 22, p. 86 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·92	23	—						—	—	—	—
No. 22, p. 86 ..	Tynemouth	—	—	—	—	—	—	—	—	—	—	—	0·16	4	- 6						—	—	—	—
No. 22, p. 86 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·0	—	37			—	—	—	—
No. 22, p. 86 ..	Rauceby	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1		—	—	—	—
No. 22, p. 86 ..	Shrewsbury	—	—	—	—	—	—	—	—	—	—	—	0·01	0·3	—	—	—	—	—		—	—	—	—
No. 22, p. 86 ..	Westminster	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33	—	—	—	—
No. 22, p. 86 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·06	2	- 9	—	—	—	—	—	—	—	—	—
No. 22, p. 87 ..	Shaftesbury	—	—	37	30th	—	42·1	51·5	-0·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 22, p. 87 ..	Plymouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58·5	-0·1	54·5	—
No. 23, p. 90 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·64	18	—	—	—	—	—	—	—	—	—	—
No. 23, p. 90 ..	Yarmouth	—	—	—	—	—	52·7	58·0	+3·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 23, p. 90 ..	Raunds..	—	8th	—	—	73·7	51·0	61·6	+6·3	—	—	—	—	—	—	—	—	—	—	—	60·9	—	52·7	—
No. 23, p. 90 ..	Cheadle	—	—	45	11th	—	50·7	60·2	+6·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 23, p. 90 ..	Westminster	—	—	—	—	73·4	—	64·7	+8·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 23, p. 90 ..	Llandudno	—	—	—	—	67·1	52·3	59·2	+4·2	—	—	0	0·00	0	-11	—	—	—	—	—	—	—	—	—
No. 23, p. 91 ..	Plymouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61·3	+1·1	55·4	—
No. 24, p. 94 ..	Fulbeck	—	13th	—	19th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 24, p. 94 ..	Bath	—	—	—	—	—	46·4	57·2	-0·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 24, p. 94 ..	Westminster ..	—	—	—	—	—	48·1	56·8	-1·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 24, p. 95 ..	Plymouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61·8	+1·8	56·6	—
No. 25, p. 98 ..	Scarborough ..	—	—	—	—	—	—	—	—	—	—	—	0·68	17	+ 6	—	—	—	—	—	—	—	—	—
No. 25, p. 98 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	2	0·28	7	- 2	—	—	—	—	—	—	—	—	—
No. 25, p. 98 ..	Cheadle	—	—	38	20th	—	46·1	54·7	-1·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 25, p. 98 ..	Hereford	—	—	37	20th	—	46·6	56·2	-2·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 25, p. 98 ..	Hastings	—	—	—	—	64·0	—	57·0	-1·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 25, p. 98 ..	Westminster ..	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—
No. 25, p. 98 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·39	10	- 1	—	—	—	—	—	—	—	—	—
No. 25, p. 99 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	2·17	55	+43	—	—	—	—	—	—	—	—	—
No. 25, p. 99 ..	Shaftesbury	—	—	—	—	—	47·0	55·6	-1·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 26, p. 102 ..	Douglas	—	—	—	—	—	—	—	—	—	—	—	1·50	38	+23	—	—	—	—	—	—	—	—	—
No. 26, p. 102 ..	Tottenham	—	3rd	—	1st	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 26, p. 102 ..	Bawtry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·3	-3·2	—	—	—	—	—	—	—
No. 26, p. 102 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	—	0·31	8	- 4	—	—	—	—	—	—	—	—	—
No. 26, p. 102 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·1	—	19	—	—	—	—	—	—
No. 26, p. 103 ..	Markree Castle ..	—	—	—	—	—	—	—	—	—	—	—	1·57	40	+22	—	—	—	—	—	—	—	—	—
No. 27, p. 106 ..	Rothesay	—	—	—	—	—	—	—	—	—	—	—	0·36	9	-12	—	—	—	—	—	—	—	—	—
No. 27, p. 106 ..	Alnwick Castle ..	—	4, 5	—	9th	65·8	52·1	58·4	+2·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 27, p. 106 ..	Scarborough ..	—	—	—	—	64·3	—	58·2	+0·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 27, p. 106 ..	Buxton	67	6th	—	—	60·0	—	54·3	-2·1	—	—	—	—	—	—	3·3	—	20	—	—	—	—	—	—
No. 27, p. 106 ..	Cheadle	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	46	—	—	—	—
No. 27, p. 106 ..	Hastings	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65·0	—	—	—
No. 27, p. 106 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	2	0·44	11	- 1	—	—	—	—	—	—	—	—	—
No. 27, p. 107 ..	Cahir	—	—	—	—	65·4	—	57·3	-1·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 28, p. 110 .	Little Massingham..	—	—	46	16th	—	50·1	56·6	-3·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 28, p. 110 ..	Clacton-on-Sea ..	—	—	—	—	—	—	—	—	—	—	—	1·35	34	—	—	—	—	—	—	—	—	—	—
No. 28, p. 110 ..	Ventnor	—	—	—	13-15	—	53·6	58·4	-3·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 28, p. 110 ..	Westminster	—	—	—	—	—	52·5	58·5	-3·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 28, p. 110 ..	Hampstead	—	—	—	—	—	—	—	—	—	—	—	1·96	50	—	—	—	—	—	—	—	—	—	—
No. 28, p. 111 ..	Pembroke	62	17th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 28, p. 111 ..	Shaftesbury	—	—	—	—	—	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—
No. 29, p. 114 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·53	13	—	—	—	—	—	—	—	—	—	—
No. 29, p. 114 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·4	—	34	—	—	—	—	—	—
No. 29, p. 114 ..	Westminster	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·9	0·0	37	—	—	—	—	—	—
No. 29, p. 114 ..	Hawarden Bridge ..	—	—	—	—	—	—	—	—	—	—	4	0·31	8	- 4	—	—	—	—	—	—	—	—	—
No. 29, p. 115 ..	Shaffesbury	—	—	—	—	—	—	—	—	—	—	—	1·80	46	+31	—	—	—	—	—	—	—	—	—
No. 30, p. 118 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	1·83	47	—	—	—	—	—	—	—	—	—	—
No. 30, p. 118 ..	Castlebay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9·3	—	56	—	—	—	—	—	—
No. 30, p. 118 ..	Douglas	—	—	—	—	—	—	—	—	—	—	—	0·10	3	-16	—	—	—	—	—	—	—	—	—
No. 30, p. 118 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9·2	—	59	—	—	—	—	—	—
No. 30, p. 119 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	0·71	18	+ 3	—	—	—	—	—	—	—	—	—
No. 30, p. 119 ..	Shaftesbury	—	—	—	—	—	—	—	—	—	—	3	0·44	11	- 4	—	—	—	—	—	—	—	—	—
No. 31, p. 122 ..	Aberdeen	—	—	—	—	—	—	—	—	—	—	4	0·88	22	+ 6	—	—	—	—	—	—	—	—	—
No. 31, p. 122 ..	Spurn Head	—	—	53	7th	—	54·6	60·4	+1·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 31, p. 122 ..	Lincoln..	—	—	—	—	—	—	—	—	—	—	—	1·15	29	+14	—	—	—	—	—	—	—	—	—
No. 31, p. 122 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·0	—	26	—	—	—	—	—	—
No. 31, p. 123 ..	Roche's Point ..	—	—	—	5th	—	54·4	59·0	-0·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 32, p. 126 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	4	1·02	26	+15	5·5	—	36	—	—	—	—	—	—
No. 32, p. 126 ..	Cambridge	—	—	—	—	—	54·3	62·3	+2·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 32, p. 126 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·2	—	35	—	—	—	—	—	—
No. 32, p. 126 ..	Dungeness	—	—	—	—	—	58·1	62·1	+1·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 32, p. 126 ..	Westminster	—	—	—	—	—	—	—	—	—	—	6	0·75	19	+ 6	5·4	-0·2	36	—	—	—	—	—	—

WEEKLY WEATHER REPORT.

CORRECTIONS AND ADDITIONS FOR 1915.

Number and Page of Report.	Numbers of Districts and Names of Stations.	TEMPERATURE. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Daily Maximum.	Daily Minimum.	Daily Mean.	Difference from Average.	Accumulated Heat for the week in Day-degrees. Above 42°	Below 42°	RAINFALL. No. of Rain-days.	Total fall.	Difference from the Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from the Average.	Percentage of possible duration.	GROUND TEMPERATURE. Grass Minimum. Ground Frosts.	Lowest Reading.	Earth 1 foot. Mean for Week.	Difference from Average.	Earth 4 feet. Mean for Week.	Difference from Average.
Station Values, Corrections.		°		°		°	°	°	°	Day-deg.	Day-deg.		in.	mm.	mm.	Hrs.	Hrs.	%		°	°	°	°
No. 32, p. 127 ..	Clifton	—	—	—	—	—	58·1	63·7	+2·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 32, p. 127 ..	Scilly	—	—	—	—	—	—	—	—	—	—	—	0·39	10	- 4	—	—	—	—	—	—	—	—
No. 33, p. 130 ..	York	—	—	—	—	65·7	52·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 33, p. 130 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	0	0·00	0·1	−11	3·6	—	24	—	—	—	—	—
No. 33, p. 130 ..	Lincoln	—	—	—	—	67·0	—	59·3	-0·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 33, p. 130 ..	Norwich	—	16, 20	47	—	66·3	51·1	58·2	-1·4	—	—	4	0·43	11	—	—	—	—	—	41	—	—	—
No. 33, p. 130 ..	Marlborough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·1	+0·3	42	—	—	—	—	—
No. 33, p. 131 ..	Malin Head	—	—	—	—	—	—	—	—	—	—	—	0·47	12	- 8	—	—	—	—	—	—	—	—
No. 34, p. 134 ..	Lerwick	—	—	—	—	—	—	—	—	—	—	—	0·92	23	—	—	—	—	—	—	—	—	—
No. 34, p. 134 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6·3	—	44	—	—	—	—	—
No. 34, p. 134 ..	Norwich	76	—	49	—	70·9	52·3	61·0	+1·4	—	—	—	0·04	—	—	—	—	—	—	45	—	—	—
No. 34, p. 134 ..	Birmingham	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33	—	—	—
No. 34, p. 134 ..	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7·7	—	55	—	—	—	—	—
No. 34, p. 134 ..	Hampstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42	—	—	—
No. 34, p. 134 ..	Markree Castle ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·3	- 1·8	16	—	—	—	—	—
No. 35, p. 138 ..	Scarborough	—	—	—	—	—	—	—	—	—	—	—	1·01	26	+12	—	—	—	—	—	—	—	—
No. 35, p. 138 ..	Tottenham	64	31st	—	—	61·7	48·4	54·7	-4·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 35, p. 138 ..	Birmingham	—	—	—	—	—	46·0	52·4	-5·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 35, p. 138 ..	Cheadle	63	31st	—	—	58·4	—	51·8	-4·1	—	—	4	0·51	13	- 5	—	—	—	—	—	—	—	—
No. 35, p. 138 ..	Shrewsbury	—	—	—	—	—	—	—	—	—	—	2	0·20	5	—	—	—	—	—	—	—	—	—
No. 35, p. 138 ..	Westminster	65	29, 1	—	—	63·1	—	55·5	-4·5	—	—	3	0·27	7	- 6	—	—	—	—	—	—	—	—
No. 35, p. 139 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	0·52	13	- 4	—	—	—	—	—	—	—	—
No. 35, p. 139 ..	Falmouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7·1	+0·7	52	—	—	63·5	—	62·2
No. 36, p. 142 ..	Geldeston	—	—	—	—	—	—	—	—	—	—	—	0·01	0·2	−12	—	—	—	—	—	—	—	—
No. 36, p. 142 ..	Clacton-on-Sea ..	—	7, 8	—	—	65·0	—	58·2	-0·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 36, p. 142 ..	Tottenham	—	—	—	—	68·3	48·3	57·8	-0·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 36, p. 142 ..	Shrewsbury	—	—	—	—	—	44·6	56·3	-0·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 36, p. 142 ..	Blackpool	—	—	—	—	—	48·4	57·9	+1·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 36, p. 143 ..	Falmouth	—	—	—	—	—	—	—	—	—	—	2	0·02	0·4	—	—	—	—	—	—	—	—	—
No. 37, p. 146 ..	Lincoln	—	—	—	—	67·1	54·1	60·3	+ 3·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 37, p. 146 ..	Tottenham	—	—	—	—	—	—	—	—	—	—	1	0·03	1	—	—	—	—	—	—	—	—	—
No. 37, p. 146 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·8	—	46	—	—	—	—	—
No. 37, p. 147 ..	Shaftesbury	—	—	—	—	—	—	—	—	—	—	—	0·33	—	—	—	—	—	—	—	—	—	—
No. 37, p. 147 ..	Scilly	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·1	-0·7	40	—	—	—	—	—
No. 38, p. 150 ..	Cockle Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53·0	+0·9	—
No. 38, p. 150 ..	York	—	—	44	22nd	—	50·4	57·5	+3·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 38, p. 150 ..	Lincoln	—	—	—	—	—	51·8	58·8	+3·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 38, p. 150 ..	Cambridge	—	—	—	—	66·0	48·1	56·6	+0·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 38, p. 151 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	0·37	9	- 9	—	—	—	—	—	—	—	—
No. 39, p. 154 ..	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	0·31	8	- 7	—	—	—	—	—	—	—	—
No. 39, p. 154 ..	Clacton-on-Sea ..	—	—	—	—	—	41·9	48·6	-6·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 40, p. 158 ..	Strathpeffer	56	3, 5, 9	—	—	55·3	—	47·1	-1·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 40, p. 158 ..	Spurn Head	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·2	—	28	—	—	—	—	—
No. 40, p. 158 ..	Little Massingham ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3·5	-0·3	31	—	—	—	—	—
No. 40, p. 158 ..	Tottenham	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·9	—	17	—	—	—	—	—
No. 40, p. 158 ..	Harrogate	—	—	—	—	—	43·4	48·4	-1·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 40, p. 158 ..	Westminster	—	—	—	—	59·0	—	53·2	+0·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 41, p. 162 ..	Nairn	—	—	—	—	58·0	—	50·6	+3·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 41, p. 162 ..	Colmonell	—	—	—	—	—	—	—	—	—	—	2	0·48	12	−13	—	—	—	—	—	—	—	—
No. 41, p. 162 ..	York	—	—	—	—	—	45·9	52·2	+2·4	—	—	—	—	—	—	2·3	-0·7	21	—	—	—	—	—
No. 41, p. 162 ..	Geldeston	—	—	—	—	62·7	49·1	55·7	+5·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 41, p. 162 ..	Dungeness	—	—	—	—	—	—	—	—	—	—	—	0·34	9	- 8	—	—	—	—	—	—	—	—
No. 41, p. 162 ..	Manchester (City) ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53·0	-0·3	—	—	—
No. 41, p. 162 ..	Holyhead	—	—	—	—	—	—	—	—	—	—	—	0·22	6	−15	—	—	—	—	—	—	—	—
No. 41, p. 163 ..	Llangammarch Wells	—	11, 13	—	15th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 41, p. 163 ..	Plymouth	—	—	—	—	—	52·0	56·2	+3·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 42, p. 166 ..	Lincoln	—	—	—	—	—	—	—	—	—	—	—	0·08	—	—	—	—	—	—	—	—	—	—
No. 42, p. 166 ..	Harrogate	—	—	—	—	—	40·0	45·0	-1·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 42, p. 167 ..	Blacksod Point ..	—	—	—	—	55·4	—	50·9	+1·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 43, p. 170 ..	Colmonell	—	—	—	—	49·4	—	43·0	-3·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 43, p. 170 ..	Rauceby	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·3	—	23	—	—	—	—	—
No. 43, p. 171 ..	Roche's Point ..	—	—	—	—	—	41·0	47·0	-3·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 44, p. 174 ..	Nairn	—	—	—	—	46·0	—	39·2	-4·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 44, p. 174 ..	Lincoln	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51·4	-0·3
No. 44, p. 175 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	0·33	9	−14	—	—	—	—	—	—	—	—
No. 45, p. 178 ..	Cambridge	—	—	—	—	—	—	—	—	—	—	—	1·66	42	+30	—	—	—	—	—	—	—	—
No. 45, p. 178 ..	Sheffield	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	32	—	—	—
No. 45, p. 178 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·4	—	26	—	—	—	—	—
No. 45, p. 178 ..	Worthing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	28	—	—	—
No. 45, p. 178 ..	Margate	—	—	—	—	—	38·4	44·9	-2·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 45, p. 178 ..	Greenwich	—	—	—	—	—	—	—	—	—	—	—	1·31	33	+19	—	—	—	—	—	—	—	—
No. 45, p. 178 ..	Holyhead	—	—	—	—	—	—	—	—	—	—	—	2·36	60	+36	—	—	—	—	—	—	—	—
No. 45, p. 178 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	3·56	90	—	—	—	—	—	—	—	—	—
No. 45, p. 179 ..	Cardiff	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·2	—	24	—	—	—	—	—
No. 45, p. 179 ..	Newquay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·8	-1·0	19	—	—	—	—	—

WEEKLY WEATHER REPORT.

CORRECTIONS AND ADDITIONS FOR 1915.

Number and Page of Report.	Numbers of Districts and Names of Stations.	TEMPERATURE. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Daily Maximum.	Daily Minimum.	Daily Mean.	Difference from Average.	Accumulated Heat for the week in Day-degrees. Above 42°	Below 42°	RAINFALL. No. of Rain-days.	Total fall.	Difference from the Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from the Average.	Percentage of possible duration.	GROUND TEMPERATURE. Grass Minimum. Ground Frost.	Lowest Reading.	Earth 1 foot. Mean for Week.	Difference from Average.	Earth 4 feet. Mean for Week.	Difference from Average.
Station Values, Corrections.		°		°		°	°	°	°	Day-deg.	Day-deg.		in.	mm.	mm.	Hrs.	Hrs.	%		°	°	°	°	°
No. 45, p. 179 ..	Falmouth	—	—	—	—	—	39·4	43·2	-3·3	—	—	—	—	—	—	—	—	28	—	—	—	—	—	—
No. 45, p. 179 ..	Foynes	—	—	—	—	—	41·9	46·9	-1·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 45, p. 179 ..	Valencia	—	—	35	—	—	—	—	—	—	—	—	0·27	7	- 5	—	—	—	—	—	—	—	—	—
No. 46, p. 182 ..	York	—	—	—	—	—	27·9	33·2	-9·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 46, p. 182 ..	Harrogate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·4	—	62	—	—	—	—	—	—
No. 46, p. 182 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	0·28	7	—	—	—	—	—	—	—	—	—	—
No. 46, p. 182 ..	Hampstead	—	—	—	—	—	—	—	—	—	—	—	0·70	18	—	—	—	—	—	—	—	—	—	—
No. 46, p. 182 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	0·11	3	-20	—	—	—	—	—	—	—	—	—
No. 46, p. 183 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 46, p. 183 ..	Clifton	43	14, 15	—	—	41·3	—	35·2	-9·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 46, p. 183 ..	Blacksod Point ..	—	—	—	—	44·1	—	39·4	-7·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 46, p. 183 ..	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4·0	—	45	—	—	—	—	—	—
No. 47, p. 186 ..	Douglas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·3	+0·4	29	—	—	—	—	—	—
No. 47, p. 186 ..	Tynemouth	—	—	27	27th	—	32·3	36·4	-6·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 47, p. 186 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·6	—	31	—	—	—	—	—	—
No. 47, p. 186 ..	Camden Square ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·6	—	19	—	—	—	—	—	—
No. 47, p. 186 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	0·07	—	—	—	—	—	—	—	—	—	—	—
No. 47, p 187 ..	Seskin, Carrick-on-Suir.	—	—	29	—	—	33·7	38·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 47. p. 187 ..	Valencia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·6	+0·6	31	—	—	—	—	—	—
No. 48, p. 190 ..	Harrogate	—	—	—	—	40·0	28·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 48, p. 190 ..	Dungeness	—	—	—	—	—	38·3	43·5	-0·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 48, p. 190 ..	Westminster	—	—	—	—	—	37·1	43·4	+0·8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 48, p. 190 .	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	1·74	44	—	—	—	—	—	—	—	—	—	—
No. 48, p. 191 ..	Pembroke	—	—	—	—	—	—	—	—	—	—	—	2·36	60	+ 37	—	—	—	—	—	—	—	—	—
No. 48, p. 191 ..	Newquay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·7	-1·4	8	—	—	—	—	—	—
No. 48, p. 191 ..	Cahir	—	—	—	30th	—	36·1	41·5	-2·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 49, p. 194 ..	Edinburgh	47	11th	—	—	42·0	—	37·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 49, p. 194 ..	Harrogate	—	—	—	—	—	33·1	38 4	-0·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 49, p. 194 ..	Birmingham	—	—	—	—	—	—	—	—	—	—	—	1·30	33	+ 19	—	—	—	—	—	—	—	—	—
No. 49, p. 194 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·4	—	18	—	—	—	—	—	—
No. 49, p. 194 ..	Hampstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	*	*	*	—	17	—	—	—	—
No. 49, p. 194 ..	Manchester (Whit. Pk.).	—	—	—	—	—	—	—	—	—	—	—	1·60	41	+26	—	—	—	—	—	—	—	—	—
No. 49, p. 194 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	2·88	73	—	—	—	—	—	—	—	—	—	—
No. 49, p. 195 ..	Newquay	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·9	-1·0	11	—	—	—	—	—	—
No. 50, p. 198 ..	Tottenham	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·8	—	11	—	—	—	—	—	—
No. 50, p. 198 ..	Malvern	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·0	—	26	—	—	—	—	—	—
No. 50, p. 198 ..	Llandudno	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1·1	-0·1	15	—	—	—	—	—	—
No. 50, p. 198 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	1·02	26	—	—	—	—	—	—	—	—	—	—
No. 50, p. 199 ..	Guernsey (Villa Carey).	—	—	—	—	—	—	—	—	—	—	6	1·11	28	+ 3	—	—	—	—	—	—	—	—	—
No. 51, p. 202 ..	Lincoln	—	—	—	—	45·1	35·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 51, p. 202 ..	Tottenham	—	—	—	—	—	39·3	43·8	+4·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 51, p. 202 ..	Wisley	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·9	—	12	—	—	—	—	—	—
No. 51, p. 202 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	7	2·13	54	—	—	—	—	—	—	—	—	—	—
No. 51, p. 203 ..	Clifton	—	—	—	—	—	37·1	42·6	+1·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 51, p. 203 ..	Dublin (Trinity Coll.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43·8	-1·7
No. 51, p. 203 ..	Cahir	—	—	—	—	—	34·9	41·9	-0·6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 52, p. 206 ..	Stornoway	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0·8	0·0	13	—	—	—	—	—	—
No. 52, p. 206 ..	Strathpeffer	—	—	—	—	44·3	—	40·0	+2·9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 52, p. 206 ..	Rounton	—	—	—	—	—	—	—	—	—	—	—	1·08	28	+17	—	—	—	—	—	—	—	—	—
No. 52, p. 206 ..	Newton Rigg	56	1st	—	—	47·0	—	42·2	+5·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 52, p. 206 ..	Llandudno	—	—	—	—	—	—	—	—	—	—	—	1·90	48	+33	0·9	-0·4	12	—	—	—	—	—	—
No. 52, p. 206 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	3·75	95	—	—	—	—	—	—	—	—	—	—
No. 52, p. 207 ..	Clifton	—	—	39	29th	—	43·7	49·0	+8·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 52, p. 207 ..	Birr Castle	—	—	—	—	—	39·6	45·2	+5·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 52, p. 207 ..	Cahir	—	31st	—	26, 29	51·3	37·4	44·6	+2·4	—	—	—	2·43	62	—	—	—	—	—	—	—	—	—	—

CORRECTIONS.

Stonyhurst.—The readings of the grass minimum thermometer were unreliable from 30th May to 30th July. The number of ground frosts and the weekly minimum readings should therefore be deleted between those dates.

WEEKLY WEATHER REPORT.

CORRECTIONS AND ADDITIONS FOR 1915.

TEMPERATURE OF THE SEA.

Number and Page of Report.	Names of Stations.	Highest.	Lowest.	Mean.	Difference from Average.
Station Values, Additions and Corrections.					
No. 1, p. 1	Lerwick	44	44	44·0	+0·2
No. 1, p. 1	Shipwash Lightship	46	45	45·4	+3·3
No. 2, p. 5	Lerwick	44	43	43·1	−0·3
No. 2, p. 5	Shipwash Lightship	45	44	44·7	+3·9
No. 3, p. 9	Lerwick	43	43	43·0	−0·2
No. 4, p. 13	Lerwick	43	43	43·0	+0·1
No. 4, p. 13	Shipwash Lightship	41	40	40·6	+2·9
No. 5, p. 17	Lerwick	43	43	43·0	+0·6
No. 5, p. 17	Shipwash Lightship	42	40	41·2	+2·0
No. 6, p. 21	Shipwash Lightship	43	42	42·4	+3·3
No. 7, p. 25	Lerwick	42	42	42·0	−0·2
No. 8, p. 29	Lerwick	42	42	42·0	−0·1
No. 9, p. 33	Lerwick	44	42	42·4	+0·4
No. 9, p. 33	Shipwash Lightship	43	42	42·6	+2·6
No. 10, p. 37	Lerwick	43	42	42·4	+0·3
No. 10, p. 37	Shipwash Lightship	43	40	41·6	+1·4
No. 11, p. 41	Lerwick	43	42	42·4	+0·2
No. 11, p. 41	Shipwash Lightship	43	41	41·5	+1·4
No. 12, p. 45	Lerwick	42	41	41·6	−0·7
No. 13, p. 49	Lerwick	42	41	41·1	−1·8
No. 14, p. 53	Lerwick	43	42	42·7	−0·7
No. 15, p. 57	Lerwick	43	43	43·0	−0·8
No. 16, p. 61	Lerwick	43	43	43·0	−1·0
No. 16, p. 61	Shipwash Lightship	45	43	44·4	0·0
No. 17, p. 65	Shipwash Lightship	46	44	45·2	−0·4
No. 18, p. 69	Lerwick	46	44	44·8	+0·2
No. 19, p. 73	Lerwick	46	45	45·6	+0·4
No. 20, p. 77	Lerwick	46	46	46·0	0·0
No. 21, p. 81	Lerwick	48	46	47·6	+0·7
No. 21, p. 81	Shipwash Lightship	—	48	49·1	−2·3
No. 22, p. 85 ..	Lerwick	48	48	48·0	+0·4
No. 23, p. 89 ..	Lerwick	49	48	48·6	+0·5
No. 24, p. 93 ..	Lerwick	50	49	49·6	+0·9
No. 25, p. 97 ..	Lerwick	50	50	50·0	+0·5
No. 26, p. 101 ..	Lerwick	50	50	50·0	−0·2
No. 27, p. 105 ..	Lerwick	51	51	51·0	+0·2
No. 29, p. 113 ..	Lerwick	52	51	51·7	−0·7
No. 31, p. 121 ..	Lerwick	53	52	52·4	−0·4
No. 32, p. 125 ..	Lerwick	53	53	53·0	−0·1
No. 33, p. 129 ..	Lerwick	53	53	53·0	−0·1
No. 33, p. 129 ..	Shipwash Lightship	64	61	63·0	0·0
No. 34, p. 133 ..	Lerwick	53	53	53·0	+0·1
No. 34, p. 133 ..	Shipwash Lightship	—	62	63·0	+0·1
No. 43, p. 169 ..	Shipwash Lightship	57	54	55·4	−0·1
No. 44, p. 173 ..	Shipwash Lightship	55	52	53·0	−0·6
No. 46, p. 181 ..	Lerwick	46	45	45·3	−1·6
No. 46, p. 181 ..	Shipwash Lightship	50	47	48·6	−1·5
No. 47, p. 185 ..	Lerwick	45	45	45·0	−1·1
No. 48, p. 189 ..	Shipwash Lightship	46	45	45·7	−1·4
No. 49, p. 193 ..	Shipwash Lightship	46	44	45·3	−0·7
No. 50, p. 197 ..	Lerwick	43	42	42·9	−2·3
No. 50, p. 197 ..	Shipwash Lightship	45	43	43·9	−1·5
No. 51, p. 201 ..	Lerwick	42	41	41·9	−3·1
No. 51, p. 201 ..	Shipwash Lightship	44	43	43·5	−1·5
No. 52, p. 205 ..	Lerwick	42	41	41·3	−3·1
No. 52, p. 205 ..	Shipwash Lightship	46	44	45·2	+1·1

SUMMARY OF AUTOGRAPHIC RECORDS OF WIND.

Number and page of Report.	Names of Stations.	Height.			Distribution of Wind.								Extreme Velocities.					
		Above Mean Sea Level.	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Light Winds forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.		Highest Gust with Date and Time.			
					Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.	Date and Hour.				
		ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s.	d.	h. m.
No. 1, p. 3 ..	Quilty	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.35
No. 2, p. 7 ..	Quilty	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.40
No. 8, p. 31 ..	Benson	—	—	—	—	—	—	—	—	—	—	—	S. by W.	12	26th 21h.	—	—	—
No. 8, p. 31 ..	Quilty	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.10
No. 12, p. 47 ..	Dover	—	—	—	—	—	25th, 27th	15	82	—	71	—	—	14	25th 11h.	21	25th	16.38
No. 18, p. 71 ..	Pendennis Castle ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24	—	—
No 19, p. 75 ..	Aberdeen	—	—	—	—	—	—	—	—	—	—	—	WNW.	—	—	—	—	—
No. 25, p. 99 ..	Quilty	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.18
No. 27, p. 107 ..	Dover	—	—	—	7th	2	7th, 8th	19	49	—	—	0	—	19	— 14h.	26	—	13.22
No. 28, p. 111 ..	Alnwick Castle ..	—	—	—	—	—	—	—	—	59	92	—	—	—	—	—	—	—
No. 31, p. 123 ..	South Kensington ..	—	—	—	—	—	—	—	11	108	49	0	SSE.	7	2nd 15h.	13	2nd	14.30
No. 32, p. 127 ..	Dover	—	—	—	—	—	11th, 14th	2	44	82	40	0	—	11	14th 14h.	15	14th	13.33
No. 34, p. 135 ..	Aberdeen	—	—	{37 52}	—	—	—	—	—	—	—	—	—	8	— —	13	—	—
No. 35, p. 139 ..	Aberdeen	—	—	{37 52}	—	—	—	—	—	—	—	—	—	—	— —	—	—	—
No. 36, p. 143 ..	Aberdeen	—	—	{37 52}	—	—	—	—	—	—	—	—	—	—	— —	—	—	—
No. 38, p. 151 ..	Kew	—	—	—	—	—	—	—	36	94	38	—	—	—	— —	—	—	—
No. 43, p. 171 ..	Gorleston	—	—	—	—	—	—	—	—	—	—	—	—	—	— —	—	25th	10.46
No. 45, p. 179 ..	Pendennis Castle ..	—	—	—	—	—	—	—	—	—	—	—	—	27	— —	—	—	—
No. 51, p. 203 ..	Quilty	—	—	—	—	—	—	—	—	—	—	—	—	—	— —	—	—	22.42

WEEKLY WEATHER REPORT.

MEAN SEA TEMPERATURE IN DEGREES FAHRENHEIT, 1915, AND DIFFERENCES FROM THE AVERAGES FOR THE FIVE YEARS 1907–1911.

Period of 4 Weeks.	SCOTLAND, N.				SCOT-LAND, E.		ENG-LAND, E.		ENG-LAND, S.		SCOT-LAND, W.		ENG-LAND, N.W.		ENGLAND, S W.				IRE-LAND, N.W.		IRE-LAND, S.W.	
	LERWICK.		WICK.		BURN-MOUTH.		SHIP-WASH.		EAST-BOURNE.		BALLAN-TRAE.		PORT ERIN.		SCILLY.		PLY-MOUTH.		SHEEP-HAVEN.		CLEGGAN.	
	Mean.	Diff. from Av.	Mean.	Diff. from Av.	Mean.	Diff. from Av.	Mean.	Diff. from Av.	Mean.	Diff. from Av.	Mean.	Diff. from Av.	Mean.	Diff. from Av.	Mean.	Diff. from Av.	Mean.	Diff. from Av.	Mean.	Diff. from Av.	Mean.	Diff. from Av.
1. Jan. 3-30	43·4	-0·8	42·5	-2·2	40·6	+0·1	43·3	+2·7	43·2	+1·6	42·5	+0·1	46·1	+0·1	47·1	-0·8	46·4	-1·1	43·8	-1·1	45·1	+1·0
2. Jan. 31-Feb. 27	42·3	+0·2	42·3	-1·2	41·6	+2·4	42·2	+2·9	43·2	+3·6	42·2	-0·3	44·5	0·0	47 0	+0·1	45·8	-0·5	43·4	-1·2	44·5	+0·4
3. Feb. 28-Mar. 27	42·2	0·0	41·4	-1·5	41·8	+2·2	41·9	+1·6	43·2	+1·5	42·7	-0·3	44·0	+0·2	48·1	+1·1	46·7	+0·8	44·3	-0·5	45·6	+1·0
4. Mar. 28-Apr. 24	42·5	-1·0	42·2	-1·5	42·3	+0·9	42·9	+0·2	44·7	-0·2	43·4	-1·2	44·2	-0·7	48·0	+0·4	47·5	-0·2	46·4	-0·2	47·4	+0·8
5. Apr. 25-May 22	45·0	0·0	43·7	-2·1	43·8	+0·1	46·7	-0·8	51·4	+1·5	49·6	+2·5	47·4	+0·3	53·3	+2·0	51·4	+1·3	49·5	+1·8	51·1	+1·4
6. May 23-June 19	48·5	+0·7	48·0	-3·3	46·3	-2·0	51·7	-1·8	53·5	0·0	54·9	+3·6	51·0	+0·6	55·9	-1·2	56·8	+2·3	55·4	+0·8	53·8	-0·1
7. June 20-July 17	50·5	-0·1	48·1	-3·9	47·9	-3·4	57·7	-0·3	60·2	0·0	54·1	+0·3	53·7	+0·2	57·7	+0·4	58·1	+0·4	58·0	+1·0	57·7	+1·8
8. July 18-Aug. 14	52·4	-0·3	50·4	-2·4	51·3	-3·1	61·3	-0·2	62·2	-0·9	56·4	+0·7	55·9	-0·1	—	—	59·2	-1·4	58·4	+0·2	58·9	+1·4
9. Aug. 15-Sept. 11	52·7	0·0	50·5	-2·9	53·5	-0·7	62·1	-0·5	62·1	-1·6	58·8	+2·1	57·3	+0·4	—	—	60·4	+0·2	58·6	-0·8	59·3	+1·9
10. Sept. 12-Oct. 9	51·4	0·0	49·3	-2·9	49·5	-2·9	60·3	+0·3	58·7	-1·4	54·9	+0·9	56·4	+0·8	—	—	60·0	+1·5	56·2	-0·5	57·5	+2·2
11. Oct. 10-Nov. 6	49·2	-0·7	47·8	-3·7	47·5	-2·4	56·1	0·0	53·5	-2·6	49·8	-0·9	53·4	-0·3	—	—	56·6	+0·4	51·7	-1·5	54·6	+3·0
12. Nov. 7-Dec. 4	45·5	-1·0	45·5	-3·2	43·1	-2·4	48·1	-1·1	45·9	-3·0	44·9	+0·1	48·8	-1·6	—	—	51·0	-1·7	46·1	-2·1	47·1	+0·2
13. Dec. 5-Jan. 1	42·5	-2·5	43·2	-3·0	42·6	-0·4	44·5	-0·8	46·9	+0·4	41·4	-0·2	47·4	-1·2	—	—	49·4	+0·1	44·6	-1·5	44·9	-0·3
QUARTERS.																						
1. Jan. 3-Apr. 3	42·8	+0·2	42·0	-1·7	41·9	+2·1	42·4	+2·2	43·0	+1·8	42·4	-0·3	44·8	+0·1	47·2	-0·7	46·3	-1·6	44·0	-0·9	45·1	+0·7
2. Apr. 4-July 3	46·4	+0·1	44·8	-1·5	44·9	-0·9	48·9	-1·0	52·9	+0·7	50·3	+1·6	48·9	+0·4	53·6	-1·3	53·2	-1·2	51·9	+0·6	52·1	+1·3
3. July 4-Oct. 2	52·1	-0·1	49·9	-2·8	51·2	-2·4	61·2	+0·1	61·5	-0·7	56·6	+1·0	56·4	+0·4	—	—	59·7	+1·2	58·0	-0·4	58·7	+2·9
4. Oct. 3-Jan. 1	46·0	-1·4	46·0	-3·0	44·3	-2·2	50·2	-0·7	49·2	-2·0	46·9	-0·6	50·4	-0·9	—	—	52·7	-0·1	48·1	-1·6	49·6	+1·1
YEAR	47·0	-0·1	46·8	-1·4	45·6	-0·8	50·7	+0·2	51·7	0 0	49·1	+0·5	50·1	0·0	—	—	53·0	-0·4	50·5	+0 1	51·4	+1·3
YEAR 1915 Highest Observed	53		51		56		64		64		63		60		—		62		62		62	
YEAR 1915 Lowest Observed	41		40		37		40		40		39		42		—		45		40		40	

FOR OFFICIAL USE

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 1. FIRST WEEK, SUNDAY, JANUARY 3RD, TO SATURDAY, JANUARY 9TH, 1915.

Price 6d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks on Wind and Weather.

Over England the rainfall was again heavy, and in the Thames Valley the floods became more serious than at any time since November, 1894. Daily amounts exceeding 15 mm. (millimetres) were registered very commonly; on the 3rd more than 25 mm. (1 inch) fell over inland portions of the western and southern counties (50 mm. at Marlborough and 35 mm. at Cirencester), and in the south-west of England on the 6th (35 mm. at Falmouth, and 30 mm. at Newquay and Salcombe). In Ireland and in Scotland East the rainfall of the week was only a trifle above the average, and in Scotland West it was considerably below it. Snow or sleet, usually in small quantities, fell in many English districts on the 3rd or 4th, and at a number of places in Scotland on the 8th or 9th. Thunder was heard at Jersey on the 8th, and lightning was seen at Scilly on the 7th, and at Donaghadee on the 6th and 8th. Very little frost occurred over England, but in Ireland and Scotland rather low temperatures were recorded at the beginning and end of the week. The thermometer on the grass fell to 18° at Colmonell, and to 19° at Crathes and Hampstead.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Heavy	Moderate	Heavy	Heavy	Very heavy	Very heavy	Light	Heavy	Very heavy	Heavy	Moderate	Heavy
	Sunshine ...	Abundant	Moderate	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate

THE SEASON.

WINTER, 6 weeks from Nov. 29th, 1914.	Warmth ...	1, 4, 1	0, 5, 1	2, 3, 1	4, 2, 0	2, 4, 0	5, 0, 1	1, 4, 1	2, 3, 1	1, 4, 1	1, 3, 2	0, 3, 3	2, 3, 1
	Rainfall ...	2, 3, 1	4, 2, 0	6, 0, 0	5, 1, 0	6, 0, 0	6, 0, 0	2, 3, 1	4, 2, 0	6, 0, 0	4, 2, 0	4, 2, 0	6, 0, 0
	Sunshine ...	2, 2, 2	3, 2, 1	1, 4, 1	0, 2, 4	0, 5, 1	0, 5, 1	2, 1, 3	2, 2, 2	2, 3, 1	1, 3, 2	3, 2, 1	0, 3, 3

PAST SEASONS.

WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks.	Warmth ...	6, 4, 3	7, 4, 2	7, 4, 2	9, 1, 3	7, 2, 4	7, 2, 4	4, 7, 2	8, 2, 3	7, 2, 4	7, 4, 2	7, 2, 4	6, 3, 4
	Rainfall ...	5, 6, 2	5, 4, 4	1, 5, 7	3, 1, 9	2, 3, 8	3, 5, 5	5, 4, 4	5, 2, 6	3, 5, 5	5, 3, 5	4, 3, 6	5, 1, 7
	Sunshine ...	3, 9, 1	2, 9, 2	1, 10, 2	3, 6, 4	2, 5, 6	4, 5, 4	2, 5, 6	2, 11, 0	3, 5, 5	1, 3, 9	1, 5, 7	2, 6, 5
SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, [illegible], 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Jan. 9th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					ENGLAND, N.E.				
Lerwick	—	—	—	—	Burnmouth, Berwick	39	37	38·3	-3·3
Wick*	42	42	42·0	+3·0					
SCOTLAND, W.					ENGLAND, E.				
Ballantrae	43	39	41·2	-1·8	Shipwash Lightship	—	—	—	—
ENGLAND, S.W.					ENGLAND, S.E.				
Scilly	48	46	47·6	—	Eastbourne‡	45	44	44·6	+1·8
Plymouth‡	48	47	47·6	-0·8					
IRELAND, S.W.					ENGLAND, N.W.				
Cleggan	47	45	45·9	+1·6	Port Erin	48	47	47·3	+1·0

* One day. ‡ Only one observation each day.

(1) The Charts forming the second section of this Report will be issued as soon as the necessary data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·0394 inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(3711—19.) Wt. 229—611. 450. 1/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°	—	in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
a, Islands.. *p Baltasound*	*31*																						*Baltasound.*
a Lerwick	54	45	3rd	25	8, 9	42·0	37·4	39·8	+ 0·2	7	1·42	36	—	0·5	- 0·3	8							Deerness.
a Stornoway	51	44	5th	34	7th	41·6	36·3	39·1	- 0·2	5	1·42	36	+ 4	1·3	+ 0·4	21							Stornoway.
a Castlebay, Barra Isd.	*37*	*48*	*5th*	*?37*	*?6th*	*44·6*	*39·3?*	*42·1*	*?+ 0·1*	*6*	*?0·99*	*?25*	—	*1·7*	—	*?35*							*Castlebay.*
b, Mainland. *a* Wick	81	44	3, 4	25	8th	42·0	36·7	39·5	+ 1·1	5	0·67	17	+ 2										
p Strathpeffer	200	41	5th	25	8th	38·7	30·9	35·0	- 2·1	3	0·18	5	- 15	1·4	+ 0·4	21							Strathpeffer.
p Glencarron	500																						
p Fort Augustus	68	44	5th	30	8th	40·6	33·7	37·3	- 0·5	4	0·79	20	- 13	0·4	0·0	6							Fort Augustus.
p Fort William	171	44	5th	30	9th	40·1	33·0	36·7	- 2·8	4	3·51	89	+ 34										
														0·6	—	9	6	19	33·2	-3·0	37·4	-1·7	Crathes S.
1. SCOTLAND, E.														*0·5*	—	*8*							*Gordon Castle.*
p Gordon Castle	101	43	3, 6	29	7th	40·9	32·4	36·8	- 1·6	5	0·47	12	- 2	1·1	—	17							Nairn.
a Nairn	82	41	3, 5	24	8th	39·4	29·9	34·8	- 2·6	5	0·20	5	- 6	0·5	- 0·9	8					40·1	-0·8	Aberdeen.
a Aberdeen	46	44	4th	28	8, 9	41·0	34·7	38·0	+ 0·2	5	1·10	28	+ 14				7	22					Balmoral.
a Balmoral	930	39	3, 5	23	8th	38·1	29·0	33·7	- 0·8	5	0·76	19	+ 1	0·8		12							Balruddery.
p Crieff	432	42	9th	30	3, 4, 8	39·6	31·9	35·9	- 1·4	6	0·87	22	- 1										
a Leith	18	44	5, 8	33	4th	43·0	36·1	39·7	+ 0·4	5	0·20	5	- 5										
														0·6	—	*9*	7	22					*West Linton.*
a West Linton	769	40	6th	28	4, 7	38·3	31·1	34·8	0·0	5	0·83	21	—	1·0	- 0·3	14	4	27					Marchmont.
p Marchmont	498	41	4, 6	32	3, 6–8	39·9	32·9	36·5	- 0·2	6	0·90	23	+ 9	1·0	—	15	6	25					Edinburgh.
a Edinburgh	*441*	*42*	*6th*	*34*	*4th*	*40·9*	*35·7*	*38·4*	—	*5*	*0·38*	*10*	—										
6. *a*, SCOTLAND, W.																							
a Poltalloch	132	42	5, 6	29	4, 5	40·9	32·4	36·8	- 2·8	5	0·94	24	- 5	0·8	+ 0·2	12	4	24					Glasgow.
p Glasgow Observatory	180	43	5th	32	4th	41·7	34·7	38·3	- 0·5	6	0·50	13	- 7	*0·9*	—	*13*	3	27	37·0		42·0	-1·0	*Rothesay.*
p Rothesay‡	170	43	5, 6	34	4, 9	41·6	35·7	38·8	- 1·1	6	0·89	23	- 3	*0·8*	—	*11*	3	27					*Kilmarnock.*
a Kilmarnock	90	43	5, 8	22	4th	41·7	31·3	36·7	- 3·3	6	0·69	18	—										
a Colmonell	170	45	9th	23	4th	43·3	34·3	39·0	- 1·4	6	0·75	19	- 8				4	18					
p Dumfries	160	45	3rd	33	3rd	42·9	34·9	39·1	+ 0·5	5	0·48	13	- 9	*0·9*	—	*13*	5	28	36·5		40·1		*Dumfries.*
p Cally, Gatehouse	120	44	5, 8, 9	28	4th	42·7	33·6	38·3	- 0·2	5	0·71	18	- 9										
b. I. OF MAN. *p* Douglas	277	47	5, 6	33	5th	44·7	37·1	41·1	- 0·1	6	0·81	21	- 2	1·6	+ 0·1	22	2	28					Douglas.
2. ENGLAND, N.E.																							
a, North.. *a* Alnwick Castle	210	44	3, 8	30	3rd	42·1	34·4	38·4	+ 0·1	7	0·85	22	+ 8	0·5	—	7	4	25	35·7	-1·3	39·8	-0·4	Cockle Park.
a Tynemouth	71	45	6th	33	4th	43·0	36·6	39·9	+ 1·0	5	0·75	19	+ 9										*Tynemouth.*
p Durham	336	44	6th	31	3rd	41·0	34·0	37·6	+ 0·2	6	0·75	19	+ 9	0·5	- 0·9	7	6	26	36·9				Durham.
p Rounton	249	44	6th	32	3rd	41·3	34·7	38·1	+ 0·6	6	0·96	24	+ 14				4	27	36·0		39·1		Rounton.
a West Witton	*605*	*43*	*7th*	*30*	*3rd*	*40·1*	*34·1*	*37·2*	—	*6*	*2·09*	*53*	—	0·4	—	6					43·0†		*West Witton.*
p Scarborough	100	44	6th	33	9th	42·4	36·4	39·5	+ 0·6	7	1·30	33	+ 21	0·0	- 0·9	0			38·5	-0·7	42·4	-0·5	Scarborough.
p York	56	45	6th	33	3rd	42·7	36·7	39·8	+ 1·6	7	1·45	37	+ 27										York.
														0·8	—	*11*							*Spurn Head.*
b, South.. *a* Spurn Head	26	43	6th	34	3rd	41·0	36·0	38·6	- 0·5	6	1·06	27	+ 18						37·0	-1·0	41·9	-0·9	Lincoln.
a Lincoln	58	45	6th	33	3rd	42·7	35·3	39·2	+ 1·8	7	1·14	29	+ 19						38·3	-1·2	43·4	-0·5	Rauceby.
a Fulbeck	180	45	6th	34	3–6	41·9	35·0	38·6	+ 1·3	7	1·19	30	+ 20	0·5	—	7	4	29					Skegness.
														0·8	—	11							
3. ENGLAND, E.																							
a, North.. *p* Cromer	196	45	6th	34	3rd	42·9	37·0	40·1	+ 2·8	7	0·52	13	—	1·1	—	15							Cromer.
p Little Massingham	280	45	7, 8	33	3rd	42·1	34·9	38·6	+ 1·3	6	0·69	18	+ 6	0·5	- 0·9	7	3	29					Lit. Massingham.
a Yarmouth	17	46	6th	34	6th	42·7	36·4	39·7	+ 1·6	7	0·67	17	+ 6	0·6	—	8			39·0	0·0	44·0	+0·5	Yarmouth.
a Norwich	93	45	6, 7	35	3rd	42·4	37·0	39·8	+ 1·9	7	0·61	15	—	*0·7*	—	*9*	3	30	37·4				*Norwich.*
a Geldeston	37	47	6th	35	5th	43·4	36·6	40·1	+ 1·6	7	0·69	18	+ 8	0·6	- 1·0	8							Geldeston.
p Cambridge	41	47	6th	32	5th	43·6	36·6	40·2	+ 2·2	5	0·62	16	+ 8	0·7	- 0·8	9	3	28	38·9	-0·1	43·3	-0·4	Cambridge.
a Clacton-on-Sea	54	48	7th	36	4–6	43·7	37·9	40·9	+ 2·2	7	1·14	29	—	0·6	—	8	0	31	41·0	+0·2	45·0	-0·8	Clacton.
b, South.. *a* Rothamsted	424	48	7th	31	5th	44·4	35·0	39·9	+ 2·1	7	0·95	24	+ 12	1·1	- 0·4	14							Rothamsted.
p Tottenham	51	50	7th	34	4th	45·1	35·4	41·9	+ 3·0	6	1·39	35	—	0·8	—	10	1	30			44·4	-0·8	Tottenham.
4. MIDLAND COUNTIES.																							
a, North.. *a* Harrogate	479	43	6th	31	3rd	40·7	34·0	37·5	+ 0·3	7	2·08	53	+ 39	0·4	—	6	3	25	37·5	-1·7	40·0	-1·2	Harrogate.
p Buxton	*987*	*42*	*5th*	*29*	*5th*	*39·4*	*33·3*	*36·5*	*+ 0·8*	*7*	*2·09*	*53*	*+ 24*	*0·4*	—	*5*	4	22	34·6	-4·1	40·2	-3·1	*Buxton.*
														1·0	*	14	1	27	37·8	-0·8	42·6	-0·3	Sheffield.
a Bawtry	65	45	6th	31	3rd	41·9	35·0	38·6	+ 0·8	6	1·03	26	+ 16	0·6	- 0·5	8	6	23	37·4	*	41·0	*	Worksop.
a Nottingham	82	45	6th	31	6th	43·0	34·1	38·7	+ 0·7	7	0·87	22	+ 11	0·4	—	5	3	27	36·6	-1·1	40·1	-1·2	Nottingham.
p Birmingham, Edgbsn.	535	45	6th	33	3, 4	42·9	35·6	39·4	+ 1·5	6	1·20	30	+ 18	1·0	—	13	2	26	39·7	-0·6	44·8	-0·3	Birmingham.
a Raunds	203	46	6th	30	5th	43·4	33·3	38·6	+ 1·1	5	0·58	15	—	*0·8*	—	*11*	6	23	40·0	*	45·7	*	*Raunds.*
p Oxford	206	47	6th	34	3, 4	44·6	37·1	41·0	+ 2·1	7	1·35	34	+ 23	1·4	- 0·1	18	1	27	*	*	*	*	Oxford.
a Cheadle	646	43	7th	31	5th	40·4	32·9	36·8	- 0·3	6	1·54	39	+ 24	*	*	*	5	26	*	*	*	*	Cheadle.
p Shrewsbury	191	49	5th	30	5th	46·1	35·1	40·8	+ 1·7	5	1·04	26	—	*	*	*	6	25	*	*	*	*	Shrewsbury.
c, West.. *a* Hereford§	291	50	5th	32	4th	45·3	36·9	41·3	+ 2·8	7	0·99	25	+ 12	*1·4*	—	*18*	1	30	37·4	*	41·6	*	*Malvern.§*
a Cirencester	446	46	6th	32	4th	43·2	34·5	39·0	+ 1·1	7	2·20	56	+ 43	1·4	- 0·1	18	2	30	38·9	*	42 5	*	Cirencester.
a Bath	66	51	5th	36	3rd	47·6	38·4	43·2	+ 3·4	7	2·09	53	+ 38	1·9	—	25	*	*	40·3	-1·1	44·2	-1·8	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	48	7th	32	4th	44·4	36·4	40·6	+ 2·8	7	2·94	75	+ 60	1·5	+ 0·3	20	2	23	42·7	*	45·8	*	Marlborough.
a Margate	53	53	7th	36	4, 5	46·3	38·7	42·7	+ 3·0	6	0·67	17	+ 7	0·8	- 0·7	10	0	35	41·5	+0·8	44·5	+0·6	Margate.
a Wisley, Surrey	150	52	7th	33	4th	46·0	37·6	42·0	+ 2·6	7	1·13	29	—	1·5	—	20	2	25	40·2	+0·3	44·3	+0·4	Wisley.
														1·8	—	23	1	27	41·0	+0·7	45·4	+0·1	Worthing.
p Salisbury (Wilton)	180	53	7th	34	4th	47·0	38·7	43·0	+ 4·9	6	2·20	56	+ 39	*	*	*	1	29	39·7	*	*	*	Salisbury.
a Tunbridge Wells	354	51	7th	33	4, 5	45·9	36·7	41·5	+ 3·4	7	1·03	26	+ 11	1·0	- 0·4	13	1	28	41·6	+2·1	43·9	*	Tunbridge Wells.
a Dungeness	21	50	6, 7	33	5th	46·7	39·1	43 1	+ 3·1	6	1·30	33	+ 22	*	*	*	0	31	41·1	*	45·1	*	Littlestone.
p Hastings	178	50	7th	33	4th	46·6	38·1	42·5	+ 2·4	7	1·29	33	+ 19	1·1	- 0·8	14	0	31	41·1	*	45·1	*	Hastings.
p Southampton	64	52	7th	36	4th	47·6	39·1	43·5	+ 3·5	6	1·76	45	+ 29	2·2	+ 0·6	28	0	31	*	*	*	*	Southampton.
a Ventnor	59	52	6, 7	39	4th	49·0	42·3	45·8	+ 3·3	5	1·66	42	+ 27	1·8	+ 0·1	23	*	*	*	*	*	*	Ventnor.
LONDON.																							
p Kew	18	51	7th	34	4, 5	45·9	38·1	42·2	+ 3·0	6	1·16	29	+ 19	1·1	- 0·2	14	3	27	39·4	-0·4	44·1	-0·7	Kew.
a Westminster	*27*	*53*	*7th*	*33*	*5th*	*47·1*	*38·5*	*43·0*	*+ 3·8*	*6*	*1·29*	*33*	*+ 23*	*0·9*	*+ 0·4*	*12*	2	29					*Westminster.*
a Greenwich	*155*	*52*	*7th*	*33*	*4, 5*	*45·7*	*37·1*	*41·6*	*+ 1·7*	*6*	*1·15*	*29*	*+ 19*	*0·9*	*- 0·3*	*12*	2	28					*Greenwich.*
a Hampstead	*450*	*48*	*7th*	*28*	*4th*	*43·3*	*32·6*	*38·2*	—	*6*	*1·57*	*40*	—	*0·9*	—	*12*	6	19					*Hampstead.*
a Camden Square	*110*	*51*	*7th*	*33*	*4, 5*	*45·9*	*37·0*	*41·6*	—	*6*	*1·41*	*36*	—	*0·8*	—	*10*	1	27					*Camden Square.*
														1·2	*	16	*	*	*	*	*	*	Hoylake.
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	43	5, 6	30	9th	41·9	35·0	38·6	+ 0·3	3	0·80	20	+ 2	1·0	—	14	1	28	38·0	*	43·0	*	Aspatria.
p Newton Rigg	559	42	5, 6	30	5th	40·4	33·9	37·3	+ 0·3	7	1·24	31	+ 11	0·4	- 0·8	6	6	23	37·3	-1·6	40·3	-1·3	Newton Rigg.
p Stonyhurst	375	44	6, 7	33	5th	42·0	35·6	38·9	+ 0·6	5	2·52	64	+ 39	0·4	- 0·6	5	6	22	*	*	*	*	Stonyhurst.
p Blackpool	66	46	5, 6	33	3rd	43·9	37·0	40·6	+ 1·5	6	1·31	33	+ 17	1·5	+ 0·5	20	2	28	39·7	*	44·5	*	Blackpool.
a Southport	*37*	*46*	*6th*	*34*	*3–5*	*43.4*	*36·9*	*40·3*	*+ 1·2*	*6*	*1·52*	*39*	*+ 23*	*1·2*	*+ 0·1*	*16*	1	26	36·8	-1.3	40·2	- 1·4	*Southport.*
a Liverpool (Bidston)	188	47	5th	33	4th	44·1	36·7	40·6	+ 0·4	6	1·14	29	+ 16	*1·2*	—	*16*							*Liverpool.*
a Hawarden Bridge	*22*	*50*	*5th*	*34*	*4th*	*45·6*	*38·0*	*42·0*	*+ 1·3*	*6*	*1·43*	*36*	*+ 25*	*0·5*	—	*7*	0	32	38·0	-0·8	42·5	-1·3	*Manchester (City).*
p Manchester (Whit. Pk.)	125	46	5th	34	5th	43·3	35·6	39·6	+ 0·4	6	1·99	51	+ 35	*0·2*	*- 0·3*	*3*	*	*	*	*	*	*	" *(Whit. Park).*
b NORTH WALES.																							
p Llandudno	71	49	5th	37	3rd	46·4	40·6	43·6	+ 1·8	4	1·22	31	+ 16	1·0	- 0·4	14	*	*	*	*	*	*	Llandudno.
a Holyhead	15	50	5th	36	4th	46 6	41·1	44·0	+ 1·7	5	0·75	19	0	*1·3*	—	*18*	*	*					*Holyhead.*
Bettws-y-Coed	*148*	*47*	*5, 6*	*33*	*3rd*	*44·0*	*37·4*	*40·8*	*- 0·5*	*6*	*2·09*	*51*	—	*0·6*	—	*8*	*	*	39·9	-0·5	43·0	-1·4	*Bettws-y-Coed.*
														1·1	—	15	*	*	*	*	*	*	Aberdovey

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Difference from average.	Earth 4 ft. Mean.	Difference from average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	°		ins.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														0·6	—	8	*	*	*	*	*	*	Aberystwyth
a Llangammarch Wells	550	47	5th	35	3, 4	44·6	37·7	41·3	+ 3·7	6	1·43	36	—	1·0	—	13	0	31	40·4	−0·4	45·1	−0·3	Llangammarch.
a Pembroke	149	49	5th	38	4th	47·3	43·0	45·2	+ 1·9	6	0·87	22	+ 1	1·2	− 0·4	16	*	*	*	*	*	*	Pembroke.
p Cardiff	202	49	5th	36	3rd	46·3	38·9	42·8	+ 3·2	7	1·47	37	+ 14	*1·9*	—	*25*	0	33	40·2	0·0	44·0	−0·6	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	49	5th	31	4th	46·3	38·6	42·6	+ 2·1	6	1·54	39	+ 22	*1·9*	—	*25*	*1*	30	*	*	*	*	*Clifton.*
a Shaftesbury	722	49	6, 7	32	4th	4·.·4	35·9	40·8	+ 2·8	5	1·63	41	+ 26	*	*	*	*	*	39·9	*	43·6	*	Shaftesbury.
a Arlington	613	48	5th	32	3rd	45·1	37·3	41·4	+ 1·6	7	1·87	47	+ 17	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*52*	*6th*	*36*	*3, 4*	*48·9*	*41·1*	*45·2*	+ *0·9*	7	2·22	*56*	+ *37*	2·2	+ 0·6	28	1	30	43·9	*	46·1	*	Newquay.
a Cullompton	202	50	4–7	36	3rd	47·9	39·0	43·6	+ 3·4	7	1·81	46	+ 26	2·1	+ 0·8	27	2	29	42·2	*	*	*	Cullompton.
a Portland Bill	19	52	7th	39	4th	48·7	42·6	45·8	+ 3·3	6	1·34	34	—	*2·2*	—	*28*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	52	5–7	35	4th	49·6	41·3	45·6	+ 2·9	7	1·86	47	+ 25	3·2	+ 1·6	40	*	*	43·0	−0·1	*	*	Plymouth.
a Falmouth	167	52	5, 6	36	4th	49·0	40·7	45·0	+ 0·9	7	2·92	74	+ 45	3·0	+ 1·2	38	1	29	43·2	*	46·4	*	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	45	8th	34	3rd	43·0	36·7	40·0	− 1·5	6	0·47	12	− 5	*1·3*	—	*19*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	48	5th	37	3, 4, 8, 9	46·4	38·0	42·4	− 0·5	7	1·22	31	+ 1	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	49	4th	29	9th	44·0	32·9	38·7	− 1·2	7	1·72	44	+ 21	0·9	− 0·3	12	4	26	39·3	*	44·1	*	Markree Castle.
a Birr Castle	175	47	4th	30	4th	43·9	34·6	39·4	− 0·6	6	1·14	29	+ 12	*2·1*	+ *0·6*	*28*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	45	5th	29	4th	41·7	34·3	38·2	− 1·6	6	0·62	16	+ 1	1·3	0·0	18	3	23	38·8	−2·1	43·2	−1·0	Armagh.
a Donaghadee	101	44	5, 8, 9	31	3, 4	42·1	34·0	38·2	− 2·7	6	0·28	7	− 9	*	*	*	*	*	*	*	*	*	*
														*	*	*	2	22	38·8	−2·5	42·9	−1·7	Trinity Coll.
10. IRELAND, S.														2·4	+ 0·6	32	3	20	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	47	5, 6	31	4th	44·1	36·7	40·6	− 1·3	5	0·27	7	− 5	*	*	*	2	30	*	*	*	*	Dublin City.
a Kilkenny	212	48	5th	26	3, 4	45·0	31·9	38·7	− 1·8	6	0·85	22	+ 3	*	*	*	*	*	*	*	*	*	*
a Waterford	30	50	6th	27	4th	46·1	34·3	40·4	− 1·4	5	0·64	16	− 7	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*46*	*4–6*	*32*	*3, 4*	*44·6*	*35·9*	*40·4*	—	*6*	*0·50*	*13*	—	*3·5*	—	*46*	2	26	*	*	*	*	*Seskin.*
a Birr Castle	175	47	4th	30	4th	43·9	34·6	39·4	− 0·6	6	1·14	29	+ 12	2·1	+ 0·6	28	*	*	*	*	*	*	Birr Castle.
a Foynes	50	48	9th	34	3rd	46·0	38·7	42·5	+ 0·2	7	2·15	55	+ 32	*	*	*	*	*	*	*	*	*	*
b, West .. { *a* Cahir	198	47	5th	27	4th	44·7	33·6	39·4	− 2·3	7	1·37	35	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	49	4, 5, 9	33	3rd	47·2	39·1	43·3	+ 0·5	7	1·89	48	+ 10	*	*	*	*	*	*	*	*	*	*
a Valencia	30	51	4, 5	35	4th	49·1	41·3	45·4	+ 0·3	7	1·73	44	+ 10	1·6	+ 0·1	21	*	*	*	*	*	*	Valencia.
a Roche's Point	32	49	4, 5	34	4th	47·0	39·3	43·3	− 0·6	7	0·75	19	− 9	2·8	—	36	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	6, 7	37	3rd	50·1	41·7	46·1	− 0·4	7	1·61	41	+ 21	3·3	+ 1·5	41	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	53	6th	40	4th	50·9	43·6	47·4	+ 4·1	7	1·61	41	+ 21	1·8	− 0·3	22	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	53	6th	39	3, 4	49·6	42·1	46·0	+ 1·9	7	1·53	39	+ 18	1·7	+ 0·2	21	0	33	44·5	0·0	47·2	−0·7	Guernsey.*

* The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, January 9th.

DISTRICT AND STATION.	Height. Above Ground.	Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Total Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	Total Duration.	Fresh or Moderate Winds forces 4 and 5. Total Duration.	Calms and Light Airs. Total Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
1. SCOTLAND, E.	ft.	ft.		hr.		hr.	hr.	hr.	m/s.		m/s. d. h. m.
Dyce	75		—	—	—	—	17§	40§	SE. by S. 7	5th 15h.	15 5th 15 . 30
Aberdeen*	105		—	—	—	—	52	116	E. 11	4th 11h.	17 5th 9 . 5
Edinburgh	?		—	—	5th	2	44	122	SSE. 13	5th 7h.	18 5th 6 . 40
6. SCOTLAND, W.											
Eskdalemuir ..	50	—	—	—	8th	8	51	109	SW. by W. 12	8th 9h.	18 8th 11 . 5
Paisley (Coats Obs.)	80	—	—	—	—	—	16	152	W. by S. 8	8th 16h.	21 8th 16 . 25
2. ENGLAND, N.E.											
Alnwick Castle ..	70	—	—	—	—	—	7§	147§	NW. by N. 8	9th 13h.	15 9th 13 . 0
South Shields ..	61	—	—	—	—	—	19	149	NNW. 9	9th 14h.	14 9th 14 . 25
Spurn Head	40	—	—	—	7, 9	6	75	87	NW. 12	9th 18h.	19 9th 17 . 0
3. ENGLAND, E.											
Gorleston	42	—	—	—	3rd	3	54	111	— 12	3rd 17h.	19 7th 23 . 15
Shoeburyness ..	90	—	—	—	7th	1	91	76	— 12	7th 21h.	23 7th 20 . 50
4. MIDLAND COUNTIES.											
Benson	84	—	—	—	—	—	87	81	SW. by W. 10	8th 13h.	18 9th 14 . 17
5. ENGLAND, S.E.											
Dover	40	—	—	—	3, 7, 8	14	113	41	— 13	7th 12h.	23 7th 20 . 50
Warlingham ..	33	—	—	—	—	—	66	102	— 10	7th 11h.	23 7th 19 . 45
Brighton	53	—	—	—	Instrument	out of	action.				
Kew†	65	—	—	—	—	—	33	135	N.W. 8	9th 14h.	18 7th 19 . 12
South Kensington ..	92	30	—	—	—	—	—	168	W.S.W. 5	8th 12h.	— — —
7. ENGLAND, N.W.											
Carnforth	47	—	—	—	—	—	23	145	W.S.W. 7	8th 17h.	13 8th 16 . 55
Southport	62	—	—	—	4 to 9	32	89	47	W.S.W. 15	8th 2h.	24 8th 14 . 20
Holyhead*	40	—	—	—	5 to 9	42	88	38	N.W. 16	9th 6h.	23 8th 15 . 15
8. ENGLAND, S.W.											
Pendennis Castle* ..	65	—	6, 7	9	5 to 8	47	88	24	S.W. 23	7th 7h.	29 6th 21 . 25
Plymouth	86	—	—	—	6, 7	7	49	112	— 14	7th 8h.	20 7th 8 . 20
10. IRELAND, S.											
Quilty	40	—	—	—	4 to 9	78	85	5	— 17	8th 6h.	25 8th 6 . 10
Weaver Pt.	30	—	—	—	8, 9	3§	94§	42§	— 12	9th 14h.	21 7th 20 . 40
11. ENGLISH CHANNEL.											
Scilly*	19	—	7, 8	3§	4 to 9	96§	50§	13§	W. 18	7th 22h.	30 8th 6 . 25

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective records.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FIRST WEEK—January 3rd to January 9th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Accumulated Number of Day-Degrees. Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Below 42°	Accumulated Number of Day-Degrees. Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)		Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	45	25	40·8	34·7	37·9	+ 0·1	0	− 6	29	− 8	5	0	1·33	34	+ 6	0·9	+0·2	14	990
Eastern.																			
1. SCOTLAND, EAST ...	44	23	40·0	32·3	36·3	− 0·1	0	− 5	40	− 4	5	+ 1	0·67	17	+ 2	0·8	−0·1	12	990
2. ENGLAND, N.E. ...	45	30	42·0	35·5	38·9	+ 1·1	0	− 6	22	−15	6	+ 2	1·05	27	+ 16	0·5	−0·6	6	992
3. ENGLAND, EAST ...	50	31	43·4	36·6	40·1	+ 2·8	4	− 4	21	−21	7	+ 3	0·81	21	+ 10	0·8	−0·5	10	994
4. MIDLAND COUNTIES ...	51	30	43·6	35·2	39·5	+ 2·3	4	− 5	26	−16	6	+ 2	1·36	35	+ 21	1·0	−0·2	13	995
5. ENGLAND, S.E.	53	32	46·5	38·5	42·7	+ 3·6	20	+ 8	10	−22	6	+ 2	1·54	39	+ 25	1·4	0·0	18	996
Western.																			
6. SCOTLAND, WEST ...	47	22	42·4	34·3	38·5	− 0·2	1	− 7	28	− 3	6	+ 1	0·72	19	− 9	1·2	+0·2	17	991
7. ENGLAND, N.W.	50	30	43·6	36·9	40·4	+ 1·3	4	− 6	20	−10	5	+ 1	1·37	35	+ 18	0·9	−0·1	13	994
8. ENGLAND, S.W.	52	31	47·0	39·5	43·4	+ 2·4	20	+ 4	7	−16	6	+ 1	1·67	42	+ 19	1·9	+0·4	24	996
9. IRELAND, NORTH ...	49	29	43·5	35·1	39·5	− 0·7	4	− 8	27	+ 2	6	+ 1	0 91	23	+ 2	1·1	−0·1	15	991
10. IRELAND, SOUTH ...	51	26	45·9	36·6	41·4	− 0·6	11	− 9	23	+ 4	6	+ 1	1·20	31	+ 4	2·2	+0·8	29	996
11. ENGLISH CHANNEL ...	53	37	50·2	42·5	46·5	+ 2·0	32	+ 6	0	− 9	7	+ 2	1·58	40	+ 20	2·3	+0·3	28	999

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 6 Weeks, November 29th, 1914 to January 9th, 1915.

0. SCOTLAND, NORTH ...	56	18	*	*	*	*	16	− 36	196	+12	31	− 1	10·69	271	+ 73	0·6	−0·1	9	992
Eastern.																			
1. SCOTLAND, EAST ...	56	7	*	*	*	*	18	− 28	252	+21	27	+ 3	6·92	175	+ 76	1·1	+0·1	16	994
2. ENGLAND, N.E.	59	23	*	*	*	*	50	− 5	146	−37	32	+ 9	5·47	139	+ 65	1·2	0·0	16	997
3. ENGLAND, EAST ...	58	24	*	*	*	*	93	+ 31	115	−95	35	+12	7·18	182	+114	1·1	−0·3	14	1001
4. MIDLAND COUNTIES ...	59	20	*	*	*	*	62	− 4	160	−55	32	+ 9	7·88	200	+119	1·2	0·0	16	999
5. ENGLAND, S.E.	56	24	*	*	*	*	136	+ 40	78	−73	35	+12	10·92	277	+188	1·3	−0·2	17	1002
Western.																			
6. SCOTLAND, WEST ...	55	19	*	*	*	*	40	− 33	151	+ 7	32	+ 4	8·70	221	+ 39	1·0	0·0	14	994
7. ENGLAND, N.W.	60	21	*	*	*	*	69	− 8	112	−32	33	+ 8	8·38	213	+ 97	1·1	0·0	15	996
8. ENGLAND, S.W.	56	21	*	*	*	*	123	+ 4	84	−23	36	+ 9	11·80	299	+147	1·7	+0·2	22	999
9. IRELAND, NORTH ...	56	14	*	*	*	*	49	− 36	156	+28	35	+ 5	7·93	201	+ 71	1·1	−0·2	16	992
10. IRELAND, SOUTH ...	57	17	*	*	*	*	90	− 47	141	+43	37	+ 8	10·83	276	+121	1·9	+0·4	24	995
11. ENGLISH CHANNEL ...	56	32	*	*	*	*	210	+ 15	13	−17	39	+ 9	11·38	289	+157	1·6	−0·3	20	1002

THE YEAR.—Aggregates, &c., for the Period of 1 Week, January 3rd, 1915, to January 9th, 1915.

0. SCOTLAND, NORTH ...	45	25	*	*	*	*	0	− 6	29	− 8	5	0	1·33	34	+ 6	0·9	+ 0·2	14	990
Eastern.																			
1. SCOTLAND, EAST ...	44	23	*	*	*	*	0	− 5	40	− 4	5	+ 1	0·67	17	+ 2	0·8	−0·1	12	990
2. ENGLAND, N.E.	45	30	*	*	*	*	0	− 6	22	− 15	6	+ 2	1·05	27	+ 16	0·5	−0·6	6	992
3. ENGLAND, EAST ...	50	31	*	*	*	*	4	− 4	21	− 21	7	+ 3	0·81	21	+ 10	0·8	−0·5	10	994
4. MIDLAND COUNTIES ...	51	30	*	*	*	*	4	− 5	26	− 16	6	+ 2	1·36	35	+ 21	1·0	−0·2	13	995
5. ENGLAND, S.E.	53	32	*	*	*	*	20	+ 8	10	− 22	6	+ 2	1·54	39	+ 25	1·4	0·0	18	996
Western.																			
6. SCOTLAND, WEST ...	47	22	*	*	*	*	1	− 7	28	− 3	6	+ 1	0·72	19	− 9	1·2	+0·2	17	991
7. ENGLAND, N.W.	50	30	*	*	*	*	4	− 6	20	− 10	5	+ 1	1·37	35	+ 18	0·9	−0·1	13	994
8. ENGLAND, S.W.	52	31	*	*	*	*	20	+ 4	7	− 16	6	+ 1	1·67	42	+ 19	1·9	+0·4	24	996
9. IRELAND, NORTH ...	49	29	*	*	*	*	4	− 8	27	+ 2	6	+ 1	0·91	23	+ 2	1·1	−0·1	15	991
10. IRELAND, SOUTH ...	51	26	*	*	*	*	11	− 9	23	+ 4	6	+ 1	1·20	31	+ 4	2·2	+0·8	29	996
11. ENGLISH CHANNEL ...	53	37	*	*	*	*	32	+ 6	0	− 9	7	+ 2	1·58	40	+ 20	2·3	+0·3	28	999

W. N. SHAW, Director.
Meteorological Office, South Kensington, January 13th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 2. SECOND WEEK, SUNDAY, JANUARY 10TH, TO SATURDAY, JANUARY 16TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks on Wind and Weather.

The weather continued unsettled and rainy. In Ireland and the west and north of Great Britain there was rain every day at a large proportion of the stations, but the greater part of England was less consistently wet, especially in England South-East and the English Channel. The excess above the normal was very large in Scotland North. Falls of more than 25 mm. were reported at some northern and north-western stations on various dates, the largest being 60 mm. at Glencarron on the 12th, and 35 mm. at Burnley, Bettws-y-Coed and Huddersfield, and 40 mm. at Buxton on the 15th. Temperature was higher at the beginning of the week than at the end; on the whole it was above the average. In England East and the Midland Counties the excess was nearly 6°, and in England South-East more than 5°. In the west and north of the Kingdom, however, the divergence was less marked. Frost occurred in every district except Ireland South and the English Channel. As a rule it was not severe, but at Balmoral on the 11th there was a reading of 19° F. A thunderstorm was experienced at Bath and Markree Castle on the 11th, and aurora was observed at Gordon Castle on the 13th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Moderate	Unusual
	Rainfall ...	Very heavy	Very heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Very heavy	Heavy	Very heavy	Heavy	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Scanty

THE SEASON.

WINTER, 7 weeks from Nov. 29th, 1914.	Warmth ...	1, 5, 1	0, 6, 1	3, 3, 1	5, 2, 0	3, 4, 0	6, 0, 1	1, 5, 1	3, 3, 1	1, 5, 1	2, 3, 2	0, 4, 3	3, 3, 1
	Rainfall ...	3, 3, 1	5, 2, 0	7, 0, 0	6, 1, 0	7, 0, 0	6, 1, 0	3, 3, 1	5, 2, 0	7, 0, 0	5, 2, 0	5, 2, 0	6, 1, 0
	Sunshine ...	2, 2, 3	3, 3, 1	1, 5, 1	0, 3, 4	0, 6, 1	0, 6, 1	2, 2, 3	2, 3, 2	2, 3, 2	1, 3, 3	3, 3, 1	0, 3, 4

PAST SEASONS.

WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks.	Warmth ...	6, 4, 3	7, 4, 2	7, 4, 2	9, 1, 3	7, 2, 4	7, 2, 4	4, 7, 2	8, 2, 3	7, 2, 4	7, 4, 2	7, 2, 4	6, 3, 4
	Rainfall ...	5, 6, 2	5, 4, 4	1, 5, 7	3, 1, 9	2, 3, 8	3, 5, 5	5, 4, 4	5, 2, 6	3, 5, 5	5, 2, 5	4, 3, 6	5, 1, 7
	Sunshine ...	3, 9, 1	2, 9, 2	1, 10, 2	3, 6, 4	2, 5, 6	4, 5, 4	2, 5, 6	2, 11, 0	3, 5, 5	1, 3, 9	1, 5, 7	2, 6, 5
SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 2, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Jan. 16th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					ENGLAND, N.E.				
Lerwick	—	—	—	—	Burnmouth, Berwick	42	39	40·7	−0·2
Wick*	43	42	42·2	−2·5					
SCOTLAND, W.					ENGLAND, E.				
Ballantrae	45	41	43·1	+0·6	Shipwash Lightship	—	—	—	—
ENGLAND, S.W.					ENGLAND, S.E.				
Scilly	50	47	47·5	—	Eastbourne‡	45	44	44·5	+2·3
Plymouth‡	49	48	48·3	+0·4					
IRELAND, S.W.					ENGLAND, N.W.				
Cleggan	48	45	46·3	+2·2	Port Erin	48	46	47·2	+0·9

* Three days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(3749—19.) Wt. 229—611. 450. 1/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average	Percentage of possible duration	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean	Difference from Average.	Earth 4 ft. Mean.	Difference from Average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*	*46*	*14th*	*25*	*11th*	*42·0*	*33·1*	*37·7*	—	7	*1·94*	*49*	—	*0·4*					37·2				*Baltasound.*
a Lerwick	54	47	13th	30	11th	42·6	35·1	39·0	− 0·3	7	1·89	48	—	0·6	− 0·3	10	•	•	•	•	•	•	Deerness.
a Stornoway	51	50	13th	27	10th	44·3	35·0	39·8	+ 0·6	7	3·58	91	+ 60	0·2	− 0·7	3	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*50*	*12–14*	*35*	*10th*	*47·3*	*39·4*	*43·5*	+ 1·7	7	*1·46*	*37*	—	*0·6*	—	*9*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	46	14th	26	11th	42·1	31·7	37·1	− 1·1	7	1·22	31	+ 16	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	51	13th	24	10th	44·3	32·9	38·8	+ 1·9	7	1·87	47	+ 28	0·3	− 0·7	4	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500									7	6·36	162	+103	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	51	13th	23	10th	45·9	28·7	37·6	− 0·2	7	2·44	62	+ 30	0·2	0·3	3	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	50	13th	23	10th	44·6	34·6	39·8	+ 0·3	6	4·51	115	+ 60	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
p Gordon Castle	101	52	13th	28	10th	43·9	34·4	39·3	+ 1·0	7	1·32	34	+ 21	1·1	—	16	7	20	33·5	−2·0	37·0	−1·7	Crathes.
a Nairn	82	51	13, 14	24	11th	44·1	31·0	37·3	− 0·1	*0·7*	—	*10*					•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen	46	49	13, 14	26	11th	43·3	32·9	38·3	+ 0·6	7	1·50	38	+ 27	0·5	—	7	•	•	•	•	•	•	Nairn.
a Balmoral	930	47	13th	19	11th	42·1	28·1	35·4	+ 1·1	7	1·06	27	+ 13	1·2	− 0·3	17	•	•	•	•	39·8	−0·4	Aberdeen.
p Crieff	432	51	13, 14	15	10th	44·1	32·1	38·3	+ 1·1	7	0·75	19	+ 1	•	•	•	6	16	•	•	•	•	Balmoral.
										7	1·55	39	+ 15	1·0	•	14	•	•	•	•	•	•	Balruddery.
a Leith	18	53	13th	27	11th	45·6	33·6	39·8	+ 0·6	6	0·75	19	+ 10	•	•	•	•	•	•	•	•	•	
a West Linton	769	49	13th	21	10th	42·9	30·6	37·0	+ 2·2	6	1·45	37	—	*0·7*	—	*10*	5	16	•	•	•	•	*West Linton.*
p Marchmont	498	51	14th	27	10th	42·9	34·1	38·7	+ 2·1	4	0·98	25	+ 12	1·2	− 0·1	17	3	21	•	•	•	•	Marchmont.
a Edinburgh	*441*	*51*	*13th*	*30*	*10th*	*43·9*	*36·4*	*40·3*	—	*6*	*0·59*	*15*	—	1·1	—	16	4	19	•	•	•	•	Edinburgh.
6. *a*, SCOTLAND, W.																							
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	51	13th	29	10th	45·0	36·6	41·0	+ 2·4	6	1·22	31	+ 12	0·3	− 0·3	4	2	22	•	•	•	•	Glasgow.
p Rothesay‡	170	50	14th	31	10th	45·0	36·9	41·1	+ 1·4	6	2·90	74	+ 49	*0·7*	—	*10*	1	24	38·6	•	41·6	−0·9	*Rothesay.*
a Kilmarnock	90	51	13th	25	10th	45·9	35·6	41·0	+ 1·1	6	2·03	52	—	*0·6*	—	*8*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	52	13th	28	10th	46·6	34·3	42·6	+ 2·5	6	1·85	47	+ 21	•	•	•	1	23	•	•	•	•	
p Dumfries	160	53	13th	26	10th	46·1	35·9	41·2	+ 2·8	6	1·27	32	+ 12	*1·4*	—	*19*	2	22	38·4	•	40·1	•	*Dumfries.*
Eskdalemuir																							
p Cally, Gatehouse	120	50	13th	26	10th	45·1	36·3	40·9	+ 2·8	6	2·80	71	+ 45	•	•	•	•	•	•	•	•	•	
b. I. OF MAN. *p* Douglas	277	52	13th	35	10th	47·0	39·9	43·6	+ 2·8	4	1·57	40	+ 19	1·7	+ 0·2	23	1	29	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	54	13th	28	10th	45·3	35·1	40·4	+ 2·2	6	0·71	18	+ 4	1·9	—	26	3	23	37·8	+1·1	40·1	+0·4	Cockle Park.
a Tynemouth	71	54	13th	30	11th	46·0	36·6	41·5	+ 2·6	5	0·59	15	+ 5	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	54	13th	27	10th	45·5	36·0	40·9	+ 3·8	5	0·36	9	− 1	2·0	+ 0·6	27	1	25	•	•	•	•	Durham.
a, North *p* Rounton	249	52	13th	27	10th	45·9	36·6	41·4	+ 4·2	5	0·55	14	+ 4	•	•	•	4	20	38·1	•	•	•	Rounton.
a West Witton	*605*	*50*	*13th*	*25*	*10, 11*	*44·9*	*34·4*	*39·9*	—	*6*	*1·43*	*36*	—	•	•	•	3	21	37·6	•	39·0	•	*West Witton.*
p Scarborough	100	53	13th	32	10, 11	46·4	38·1	42·4	+ 3·9	7	1·13	29	+ 17	1·4	—	19	•	•	•	•	42·0†	•	Scarborough.
p York	56	53	13, 14	30	10th	46·7	38·6	42·8	+ 4·8	5	0·66	17	+ 8	0·8	− 0·1	11	•	•	39·6	+1·1	42·1	+0·1	York.
a Spurn Head	26	50	14th	32	10th	43·4	36·1	39·9	+ 1·2	7	0·83	21	+ 13	*1·3*	—	*17*	•	•	•	•	•	•	*Spurn Head.*
b, South *a* Lincoln	58	55	13th	30	10th	47·4	37·9	42·8	+ 5·7	3	0·71	18	+ 8	•	•	•	•	•	38·8	+2·1	41·7	−0·3	Lincoln.
a Fulbeck	180	53	13th	29	10th	47·0	37·6	42·5	+ 5·3	5	0·52	13	+ 3	1·1	—	14	2	23	39·9	+1·0	43·0	+2·1	Rauceby.
														1·9	—	25	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	54	13, 15	33	10th	49·0	38·1	43·8	+ 6·5	7	0·92	23	—	1·7	—	22	•	•	•	•	•	•	Cromer.
p Little Massingham	280	52	13, 15	29	10th	46·9	36·6	42·0	+ 4·7	6	0·88	22	+ 10	1·7	+ 0·2	22	3	24	•	•	•	•	Lit. Massingham.
a, North *a* Yarmouth	17	53	13th	32	10, 11	46·4	37·4	42·1	+ 4·0	6	0·91	23	+ 13	1·8	—	23	•	•	39·6	+1·4	44·0	+0·9	Yarmouth.
a Norwich	93	52	13th	31	10th	47·1	37·4	42·4	+ 4·5	6	1·00	25	—	*1·6*	—	*21*	3	27	38·7	•	•	•	*Norwich.*
a Geldeston	37	53	13th	31	10th	48·6	37·4	43·2	+ 4·7	6	0·83	21	+ 12	1·7	0·0	22	•	•	•	•	•	•	Geldeston.
p Cambridge	41	56	13th	31	10th	48·7	37·6	43·4	+ 5·4	4	0·52	13	+ 5	2·0	+ 0·5	23	3	23	40·0	+1·8	43·1	+0·2	Cambridge.
b, South *a* Clacton-on-Sea	54	51	13th	33	10, 11	46·7	37·9	42·5	+ 3·8	4	0·51	13	—	1·7	—	22	2	26	40·8	+0·8	44·5	−0·4	Clacton.
a Rothamsted	424	54	13th	31	10th	48·1	38·0	43·3	+ 5·5	6	0·67	17	+ 5	1·6	+ 0·1	20	•	•	•	•	•	•	Rothamsted.
p Tottenham	51	54	13th	33	10th	48·6	40·7	44·8	+ 5·9	6	0·51	13	—	1·2	—	15	1	29	•	•	44·2	−0·2	Tottenham.
4. MIDLAND COUNTIES.																							
a North *a* Harrogate	479	50	13th	27	10th	45·0	36·6	41·0	+ 3·9	6	1·47	37	+ 24	1·3	—	18	3	22	39·0	+0·3	40·3	−0·3	Harrogate.
p Buxton	*987*	*50*	*13th*	*29*	*10, 16*	*41·9*	*35·4*	*38·8*	+ *3·3*	*7*	*3·85*	*98*	+ *70*	*0·1*	—	*1*	2	22	36·8	−1·5	39·5	−3·3	*Buxton.*
														1·3	—	17	2	23	39·1	+1·2	42·1	0·0	Sheffield.
a Bawtry	65	55	13th	28	10th	47·6	37·7	42·9	+ 5·2	4	0·67	17	+ 8	0·9	− 0·2	13	4	19	38·9	—	41·1	—	Worksop.
a Nottingham	82	56	13th	30	10, 11	48·0	38·0	43·2	+ 5·4	3	0·75	19	+ 8	0·9	—	12	1	24	39·7	+2·8	40·2	−0·3	Nottingham.
b, East *p* Birmingham, Edgbsn.	545	56	13th	33	10th	47·1	38·7	43·1	+ 5·3	4	0·79	18	+ 6	0·7	—	9	1	29	41·2	+1·4	44·6	0·0	Birmingham.
a Raunds	203	55	13th	29	10th	45·1	36·6	42·6	+ 5·4	4	0·61	15	—	*1·3*	—	*17*	4	20	40·1	•	45·2	•	*Raunds.*
p Oxford	208	52	13th	33	10th	48·0	39·7	44·0	+ 5·2	5	0·37	9	− 1	1·5	0·0	19	2	25	•	•	•	•	Oxford.
a Cheadle	646	50	13th	30	10th	44·9	36·6	41·9	+ 4·2	7	1·37	35	+ 21	•	•	•	2	26	•	•	•	•	Cheadle.
p Shrewsbury	191	56	13th	32	10th	49·7	39·7	44·9	+ 6·3	5	0·83	21	—	•	•	•	1	26	•	•	•	•	Shrewsbury.
c, West *a* Hereford§	291	56	13th	33	10th	49·9	39·4	44·9	+ 6·7	6	0·63	16	+ 3	*1·5*	—	*19*	1	27	39·5	•	41·7	•	*Malvern.*§
a Cirencester	446	50	13th	31	10th	46·6	37·3	42·1	+ 4·6	7	0·98	25	+ 12	0·9	− 0·6	11	2	28	40·3	•	42·3	•	Cirencester.
a Bath	66	52	14, 15	31	10, 11	50·0	39·9	45·2	+ 5·6	6	0·75	19	+ 5	0·8	—	10	•	•	41·6	+1·1	44·3	−1·0	Bath.
5. ENGLAND, S.E.																							
a Marlborough	421	56	13th	30	10th	49·0	37·9	43·7	+ 6·1	7	0·81	21	+ 7	2·0	—	25	1	24	41·6	+2·3	45·0	+1·0	Worthing.
a Margate	53	54	13th	36	10, 13	48·7	40·0	44·5	+ 5·1	4	0·36	9	− 1	0·7	− 0·6	9	1	29	•	•	•	•	Marlborough.
a Wisley, Surrey	150	53	13th	33	10th	48·4	39·7	44·2	+ 4·9	4	0·35	9	—	1·8	+ 0·3	23	1	29	41·8	+2·1	44·2	+1·3	Margate.
p Salisbury (Wilton)	180	54	13th	31	10th	48·7	39·6	44·3	+ 6·5	6	0·62	16	0	1·0	—	13	2	28	41·1	+1·7	43·9	+0·7	Wisley.
a Tunbridge Wells	354	54	13th	31	10th	48·0	36·4	43·4	+ 5·7	7	0·57	14	− 1	•	•	•	1	26	40·9	•	•	•	Salisbury.
														1·2	− 0·3	15	1	25	41·8	+3·6	43·6	•	Tunbridge Wells.
a Dungeness	21	48	13–16	30	11th	47·0	38·0	42·7	+ 3·1	5	0·75	19	+ 8	•	•	•	•	•	•	•	•	•	
p Hastings	178	52	13th	32	10th	48·1	39·4	43·9	+ 4·3	5	0·50	13	− 1	2·0	+ 0·1	25	2	27	41·3	•	44·8	•	Littlestone.
p Southampton	64	54	13th	32	10th	49·4	40·6	45·2	+ 5·3	5	0·50	13	− 2	1·3	− 0·3	16	1	20	•	•	•	•	Hastings.
a Ventnor	59	53	13th	37	10th	50·3	42·3	46·5	+ 4·4	5	0·47	12	− 2	1·6	− 0·2	20	•	•	•	•	•	•	Southampton.
																							Ventnor.
LONDON. *p* Kew	18	54	13th	32	10th	48·9	40·3	44·8	+ 5·9	4	0·35	9	− 1	1·2	+ 0·1	15	2	27	40·3	+1·4	43·9	−0·2	Kew.
a Westminster	*27*	*54*	*13th*	*31*	*10th*	*50·2*	*39·2*	*44·9*	+ *5·9*	*5*	*0·46*	*12*	+ *2*	*0·7*	+ *0·2*	*9*	2	27	•	•	•	•	*Westminster.*
a Greenwich	*155*	*53*	*13th*	*33*	*10th*	*48·4*	*39·9*	*44·3*	+ *5·1*	*4*	*0·44*	*11*	+ *2*	*1·0*	− *0·2*	*13*	2	26	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*51*	*13th*	*27*	*10th*	*46·7*	*35·1*	*41·1*	—	*4*	*0·50*	*13*	—	*1·0*	—	*13*	4	18	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*53*	*13th*	*31*	*10th*	*48·7*	*39·1*	*44·1*	—	*5*	*0·48*	*12*	—	*1·0*	—	*13*	2	21	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	50	13th	29	10th	45·4	33·4	41·1	+ 3·0	5	1·58	40	+ 23	0·6	—	8	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	53	13th	25	10th	46·1	35·0	40·8	+ 3·9	6	1·68	43	+ 24	0·8	—	11	1	21	40·6	•	43·0	•	Aspatria.
p Stonyhurst	375	50	13th	30	10th	46·1	38·0	42·2	+ 4·0	5	2·52	64	+ 40	0·9	− 0·3	12	3	17	38·5	+0·1	40·2	−0·8	Newton Rigg.
p Blackpool	66	50	13th	32	10th	47·4	39·4	43·6	+ 4·7	7	1·89	48	+ 32	0·3	− 0·7	4	3	13	•	•	•	•	Stonyhurst.
a Southport	*37*	*50*	*13, 14*	*33*	*10th*	*46·7*	*40·6*	*43·8*	+ *4·9*	*6*	*1·80*	*41*	+ *26*	0·6	− 0·5	8	2	26	41·3	•	44·2	•	Blackpool.
a Liverpool (Bidston)	188	55	13th	36	11th	48·4	41·0	44·9	+ 4·9	5	1·22	31	+ 18	*0·4*	− *0·8*	*5*	1	24	39·5	+2·0	40·5	−0·4	*Southport.*
a Hawarden Bridge	*22*	*57*	*13th*	*35*	*11th*	*49·9*	*41·9*	*46·1*	+ *5·7*	*6*	*1·36*	*35*	+ *25*	*0·5*	—	*7*	1	27	40·0	+1·9	42·0	−1·1	*Liverpool.*
p Manchester (Whit. Pk.)	125	54	13th	30	10th	47·7	40·3	44·2	+ 5·1	6	1·62	41	+ 27	*0·1*	− *0·4*	*1*	•	•	•	•	•	•	*Manchester (City).*
																							„ (*Whit. Park*)
b NORTH WALES.																							
p Llandudno	71													•	•	•	•	•	•	•	•	•	
„ Holyhead	15	54	13th	41	10, 12	48·7	43·3	46·1	+ 4·0	4	0·98	25	+ 7	*0·9*	—	*12*	•	•	•	•	•	•	Llandudno.
p Bettws-y-Coed	*148*	*54*	*13th*	*34*	*10th*	*48·9*	*40·4*	*44·8*	+ *3·8*	*7*	*3·76*	*96*	—	*0·1*	—	*1*	•	•	41·7	+1·9	43·6	−0·2	*Holyhead.*
														0·2	—	3	•	•	•	•	•	•	*Bettws-y-Coed.*
																							Aberdovey

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														0·5	—	6							
a Llangammarch Wells	550	49	12–14	32	16th	46·6	39·6	43·2	+ 5·9	7	2·74	70	—	0·2	—	3	1	25	41·7	+1·7	45·0	+0·2	Aberystwyth. Llangammarch.
a Pembroke	149	50	13, 14	43	10, 12, 13	48·3	45·1	46·8	+ 4·0	7	0·98	25	+ 5	0·4	- 1·2	5							Pembroke.
p Cardiff	202	50	15th	34	10th	47·9	40·4	44·3	+ 4·7	7	0·92	23	+ 1	*1·1*	—	*14*	1	30	41·3	+2·2	44·0	+0·1	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	50	14th	36	10th	47·9	41·3	44·7	+ 4·7	6	1·11	28	+ 11	*1·4*	—	*18*	0	31					*Clifton.*
a Shaftesbury	722																						Shaftesbury.
a Arlington	613	49	13th	34	10th	46·6	39·6	43·2	+ 3·7	6	1·95	50	+ 22										Arlington.
a Newquay	*190*	*50*	*12–15*	*41*	*13th*	*48·9*	*44·1*	*46·6*	+ 2·7	*6*	*0·76*	*19*	+ *1*	0·8	- 0·8	10	0	37	45·1		46·2		Newquay.
a Cullompton	202	53	13th	33	10th	49·1	40·7	45·1	+ 5·3	7	1·21	31	+ 12	0·6	- 0·8	8	1	27	43·2				Cullompton.
a Portland Bill	19	51	13th	42	11th	48·6	44·1	46·4	+ 4·3	5	0·55	14	—	*1·0*	—	*12*							*Weymouth.*
p Plymouth	116	53	13th	36	10th	49·9	42·6	46·4	+ 4·1	6	0·79	20	0	0·9	- 0·7	11			44·1	+2·1			Plymouth.
a Falmouth	167	52	13th	39	10th	49·7	43·3	46·6	+ 2·9	7	1·02	26	0	1·0	- 0·8	12	0	32	44·6		46·2		Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	49	13, 14	36	10th	45·7	38·4	42·2	+ 0·9	7	1·22	31	+ 15	*0·7*	—	*10*							*Malin Head.*
a Blacksod Point ..	?	50	10–14	36	16th	48·9	39·9	44·6	+ 1·8	7	2·52	64	+ 35										
p Markree Castle ..	122	55	13, 14	30	10th	47·9	37·4	42·9	+ 3·3	7	2·45	62	+ 40	0·6	- 0·6	8	1	26	40·9		43·6		Markree Castle.
a Birr Castle	175	52	14th	34	10th	47·6	39·3	43·6	+ 3·9	6	1·58	40	+ 23	*1·4*	*- 0·2*	*18*							*Birr Castle.*
b, East .. { *p* Armagh	196	52	13th	32	10th	46·3	36·7	41·7	+ 2·1	6	1·60	41	+ 24	0·7	- 0·7	9	1	25	40·2	-0·1	43·0	-0·7	Armagh.
a Donaghadee	101	53	13th	33	10th	47·0	38·6	43·0	+ 2·4	7	0·95	24	+ 9				0	31	41·5	+0·7	43·0	-1·3	Trinity Coll.
10. IRELAND, S.														1·3	- 0·5	17	2	28					Phœnix Park.
p Dublin, City	47	54	13th	35	10th	48·4	39·4	44·1	+ 2·5	6	0·97	25	+ 13				0	34					Dublin City.
a, East .. { *a* Kilkenny	212	55	13th	33	10th	49·0	38·6	44·0	+ 3·7	6	1·34	34	+ 14										
a Waterford	30	54	13th	34	11th	48·9	40·1	44·7	+ 3·3	6	0·75	19	- 4										
a Seskin, Carrick-on-Suir	*541*	*58*	*13th*	*34*	*10, 11, 16*	*47·9*	*38·0*	*43·2*	—	*5*	*0·83*	*21*	—	*2·3*	—	*30*	1	30					*Seskin.*
a Birr Castle	175	52	14th	34	10th	47·6	39·3	43·6	+ 3·9	6	1·58	40	+ 23	1·4	- 0·2	18							Birr Castle.
a Foynes	50	54	12th	39	10–12	49·6	41·7	45·8	+ 3·6	7	1·78	45	+ 23										
b, West .. { *a* Cahir	199	59	12th	35	10th	49·9	41·0	45·2	+ 3·8	6	1·54	39	—										
a Killarney	174	55	13th	39	10th	50·8	42·3	46·7	+ 4·2	7	1·31	33	- 4										
a Valencia	30	52	12, 14	41	11th	49·9	44·0	47·1	+ 2·3	7	1·22	31	- 2	1·0	—	13							Valencia.
a Roche's Point	32	51	12–14	39	12th	49·1	42·7	46·0	+ 2·4	7	0·55	14	- 13	1·4	—	18							Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	51	13, 14	41	12th	49·7	44·3	47·1	+ 1·0	7	0·55	14	- 5	0·8	- 1·0	10							Scilly.
a Jersey, St. Aubins ..	25	54	16th	40	11th	50·7	44·3	47·6	+ 4·8	7	0·87	22	+ 3	1·1	- 1·0	13							St. Heliers.
a Guernsey (Villa Carey)	180	51	13th	39	12th	49·4	43·9	46·8	+ 3·1	7	0·77	20	0	0·7	- 0·8	9	0	35	45·3	+1·4	47·1	0·0	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, January 16th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind				Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	Extreme Velocities.				
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.				Highest Hourly Wind.			Highest Gust with Date and Time.	
			Dates of Occurrence.	Total Duration.	Dates of Occurrence.	Total Duration.	Total Duration.	Total Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.		m/s.	d. h. m.
1. SCOTLAND, E.													
Dyce	75	?	—	—	—	—	46§	64§	N. by W.	8	16th 16h.	21	16th 15 . 55
Aberdeen*	105	37	—	—	16th	3	56	109	NW.	12	16th 15h.	25	16th 16 . 0
Edinburgh	?	52	—	—	11, 13 to 16	27	93	48	WSW.	16	13th 18h.	25	15th 3 . 5
6. SCOTLAND, W.													
Eskdalemuir	50	22	11th	1	11 to 16	62	61	44	SW. by W.	19	11th 21h.	28	11th 20 . 50
Paisley (Coats Obs.)	80	—	—	—	11th	4	85	79	NW. by N.	12	11th 19h.	25	11th 18 . 40
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	—	—	—	—	— —	—	— —
South Shields ..	61	12	—	—	11, 14, 15	31	84	53	W.	15	15th 15h.	24	14th 23 . 50
Spurn Head	40	—	15th	1§	10 to 13, 15, 16	56§	79§	23§	WNW.	18	15th 13h.	28	15th 12 . 55
3. ENGLAND, E.													
Gorleston	42	—	—	—	10, 12, 16	9	113	46	—	13	10th 19h.	19	16th 15 . 15
Shoeburyness ..	90	—	—	—	12, 15, 16	14	123	31	—	16	16th 4h.	30	16th 2 . 0
4. MIDLAND COUNTIES.													
Benson	84	—	16th	1	15, 16	7	109	51	WSW.	18	16th 2h.	31	16th 2 . 5
5. ENGLAND, S.E.													
Dover	40	—	16th	1	10, 12 to 16	37	80	50	—	17	16th 2h.	28	16th 2 . 25
Warlingham	33	5	—	—	15, 16	5	122	41	—	13	16th 3h.	27	16th 2 . 30
Brighton	53	6			Instrument	out of	action.						
Kew†	65	7	—	—	15, 16	4	90	74	W.	14	16th 3h.	28	16th 2 . 45
South Kensington ..	92	30	—	—	—	—	5	163	WSW.	8	16th 3h.	18	16th 2 . 35
7. ENGLAND, N.W.													
Carnforth	57	21	—	—	11, 15	6	102	60	WNW.	13	11th 23h.	24	15th 10 . 30
Southport	62	48	11, 12, 15, 16	26	10 to 16	77	48	17	W. by N.	22	12th 2h.	30	15th 12 . 15
Holyhead*	40	—	10 to 12, 16	17	10 to 16	85	55	11	NW. by W.	18	11th 23h.	25	10th 24 . 20
8. ENGLAND, S.W.													
Pendennis Castle* ..	65	24	10, 15, 16	7	10 to 16	75	70	16	WSW.	22	15th 22h.	29	15th 23 . 10
Plymouth	86	—	—	—	15th	4	75	89	—	15	15th 23h.	23	15th 23 . 20
10. IRELAND, S.													
Quilty	40	—	15th	3	10 to 16	122	42	1	—	24	15th 20h.	35	15th 20 . 35
Weaver Pt.	30	—	—	—	10, 13 to 16	19§	117§	31§	—	16	15th 19h.	26	15th 20 . 0
11. ENGLISH CHANNEL.													
Scilly*	19	—	10, 11, 15, 16	20	10 to 16	63	76	9	WNW.	20	16th 1h.	29	11th 13 . 20

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

SECOND WEEK—January 10th to January 16th, 1915.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	23	44·0	33·0	38·7	+ 0·7	6	0	34	− 2	7	+ 2	3·12	79	+ 50	0·3	−0·4	5	995
Eastern.																			
1. SCOTLAND, EAST ...	53	19	43·6	32·1	38·0	+ 1·2	4	− 1	37	− 6	6	+ 3	1·17	30	+ 16	1·0	−0·1	15	997
2. ENGLAND, N.E.	55	27	46·0	37·0	41·6	+ 3·5	11	+ 4	21	−14	5	+ 1	0·67	17	+ 5	1·5	+0·4	21	1000
3. ENGLAND, EAST ...	56	29	47·8	37·9	43·1	+ 5·8	25	+ 18	11	−30	6	+ 2	0·75	19	+ 9	1·7	+0·3	22	1006
4. MIDLAND COUNTIES ...	56	27	47·7	38·2	43·2	+ 5·8	24	+ 15	11	−30	5	+ 1	0·83	21	+ 9	1·0	−0·2	14	1007
5. ENGLAND, S.E.	56	30	48·7	39·6	44·3	+ 5·2	26	+ 15	7	−25	5	+ 2	0·53	14	+ 1	1·4	0·0	18	1009
Western.																			
6. SCOTLAND, WEST ...	53	25	45·8	37·1	41·6	+ 2·4	11	+ 3	21	− 8	6	+ 2	1·95	50	+ 25	1·0	−0·1	14	999
7. ENGLAND, N.W.	55	25	47·1	39·1	43·3	+ 4·0	21	+ 12	8	−21	5	+ 1	1·64	42	+ 26	0·7	−0·4	9	1005
8. ENGLAND, S.W.	53	32	48·3	41·9	45·2	+ 4·2	23	+ 7	0	−23	6	+ 3	1·25	32	+ 12	0·6	−0·9	8	1010
9. IRELAND, NORTH ...	53	30	47·2	38·4	43·0	+ 2·6	22	+ 10	10	−15	7	+ 3	1·72	44	+ 25	0·7	−0·6	9	1001
10. IRELAND, SOUTH ...	59	33	49·2	40·9	45·2	+ 3·1	27	+ 8	3	−16	6	+ 2	1·23	31	+ 8	1·3	−0·3	17	1009
11. ENGLISH CHANNEL ...	54	39	49·9	44·2	47·2	+ 3·0	36	+ 12	0	− 9	7	+ 3	0·73	19	+ 1	0·9	−1·1	11	1014

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 7 Weeks, November 29th, 1914 to January 16th, 1915.

0. SCOTLAND, NORTH ...	56	18	42·4	33·5	38·2	*	22	− 36	230	+10	38	+ 1	13·81	350	+123	0·6	−0·1	9	992
Eastern.																			
1. SCOTLAND, EAST ...	56	7	41·9	31·8	37·0	*	22	− 29	289	+15	33	+ 6	8·09	206	+ 92	1·1	+0·1	16	994
2. ENGLAND, N.E.	59	23	44·4	35·9	40·3	*	61	− 1	167	−51	37	+10	6·14	156	+ 70	1·2	0·0	17	997
3. ENGLAND, EAST ...	58	24	46·1	37·0	41·7	*	118	+ 49	126	−125	41	+14	7·93	201	+123	1·2	−0·2	15	1001
4. MIDLAND COUNTIES ...	59	20	45·4	35·7	40·8	*	86	+ 11	171	−85	37	+10	8·71	221	+128	1·2	0·0	16	1000
5. ENGLAND, S.E.	56	24	47·8	38·5	43·3	*	162	+ 55	85	−98	40	+14	11·45	291	+189	1·3	−0·2	17	1003
Western.																			
6. SCOTLAND, WEST ...	55	19	44·0	35·5	39·9	*	51	− 30	172	− 1	38	+ 6	10·65	271	+ 64	1·0	0·0	14	995
7. ENGLAND, N.W.	60	21	45·4	37·1	·4	*	90	+ 4	120	−53	38	+ 9	10·02	255	+123	1·0	−0·1	14	997
8. ENGLAND, S.W.	56	21	47·6	38·8	43·3	*	148	+ 11	84	−46	42	+12	13·05	331	+159	1·6	+0·1	20	1001
9. IRELAND, NORTH ...	56	14	44·6	35·6	40·3	*	71	− 26	166	+13	42	+ 8	9·65	245	+ 96	1·1	−0·2	15	993
10. IRELAND, SOUTH ...	59	17	46·8	36·5	41·8	*	117	− 39	144	+27	43	+10	12·06	307	+129	1·8	+0·3	23	997
11. ENGLISH CHANNEL ...	56	32	50·2	42·7	46·6	*	246	+ 27	13	−26	46	+12	12·11	308	+158	1·5	−0·4	18	1003

THE YEAR.—Aggregates, &c., for the Period of 2 Weeks, January 3rd, 1915, to January 16th, 1915.

0. SCOTLAND, NORTH ...	51	23	42·4	33·9	38·3	*	6	− 6	63	− 10	12	+ 2	4·45	113	+ 56	0·6	−0·1	9	993
Eastern.																			
1. SCOTLAND, EAST ...	53	19	41·8	32·2	37·2	*	4	− 6	77	− 10	11	+ 4	1·84	47	+ 18	0·9	−0·1	13	994
2. ENGLAND, N.E.	55	27	44·0	36·3	40·3	*	11	− 2	43	− 29	11	+ 3	1·72	44	+ 21	1·0	−0·1	13	996
3. ENGLAND, EAST ...	56	29	45·6	37·3	41·6	*	29	+ 14	32	− 51	13	+ 5	1·56	40	+ 19	1·2	−0·2	16	1000
4. MIDLAND COUNTIES ...	56	27	45·7	36·7	41·4	*	28	+ 10	37	− 46	11	+ 3	2·19	56	+ 30	1·0	−0·2	13	1001
5. ENGLAND, S.E.	56	30	47·6	39·1	43·5	*	46	+ 23	17	− 47	11	+ 4	2·07	53	+ 26	1·4	0·0	18	1003
Western.																			
6. SCOTLAND, WEST ...	53	22	44·1	35·7	40·1	*	12	− 4	49	− 11	12	+ 3	2·67	69	+ 16	1·1	+0·1	15	995
7. ENGLAND, N.W.	55	25	45·4	38·0	41·9	*	25	+ 6	28	− 31	10	+ 2	3·01	77	+ 44	0·8	−0·2	11	1000
8. ENGLAND, S.W.	53	31	47·7	40·7	44·3	*	43	+ 11	7	− 39	12	+ 4	2·92	74	+ 31	1·3	−0·2	16	1003
9. IRELAND, NORTH ...	53	29	45·4	36·8	41·3	*	26	+ 2	37	− 13	13	+ 4	2·63	67	+ 27	0·9	−0·3	12	996
10. IRELAND, SOUTH ...	59	26	47·6	38·8	43·3	*	38	− 1	26	− 12	12	+ 3	2·43	62	+ 12	1·8	+0·3	23	1003
11. ENGLISH CHANNEL ...	54	37	50·1	43·4	46·9	*	68	+ 18	0	− 18	14	+ 5	2·31	59	+ 21	1·6	−0·3	19	1007

W. N. SHAW, Director.
Meteorological Office, South Kensington, January 20th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 3. THIRD WEEK, SUNDAY, JANUARY 17TH, TO SATURDAY, JANUARY 23RD, 1915. *Price* 0*d*. *Annual Subscription Post Paid* £1 10*s*. 0*d*.

I.—Remarks on Wind and Weather.

During the early days of the week precipitation was slight and not at all general; later the weather conditions became very unsettled, and considerable falls of rain or snow were reported. The snow was more prevalent, and also heavier, in the metropolitan area and other parts of the south-east of England than elsewhere. On the 22nd it fell to the depth of several centimetres in London and its vicinity, and the total precipitation was about 25 mm. At Wisley the corresponding measurement was as much as 30 mm., and at Ventnor 34 mm. At Worthing the depth of snow on the ground was 15 cm. and at Felixstowe 10 cm. Precipitation was generally below the average, except over the east and south of England, while temperature was below the normal except in Scotland E. and W. and in the Midland Counties. On the 18th the thermometer fell to 19° at Fort Augustus, and on the 23rd to 18° at Tunbridge Wells and Clacton-on-Sea. The brightest part of the Kingdom was Scotland W. where the mean amount of sunshine was as much as 3 hours per day; the dullest was Scotland N., with a daily mean of only 1·0 hour. Thunderstorms were experienced at several stations in Norfolk on the 17th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Light	Moderate	Very heavy	Moderate	Heavy	Light	Moderate	Moderate	Moderate	Moderate	Heavy
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Very abundant	Abundant	Moderate	Abundant	Abundant	Moderate

THE SEASON.

WINTER, 8 weeks from Nov. 29th, 1914.	Warmth ...	1, 6, 1	0, 7, 1	3, 4, 1	5, 3, 0	3, 5, 0	6, 1, 1	1, 6, 1	3, 4, 1	1, 6, 1	2, 4, 2	0, 5, 3	3, 4, 1
	Rainfall ...	3, 4, 1	5, 2, 1	7, 1, 0	7, 1, 0	7, 1, 0	7, 1, 0	3, 3, 2	5, 3, 0	7, 1, 0	5, 3, 0	5, 3, 0	7, 1, 0
	Sunshine ...	2, 3, 3	3, 4, 1	1, 6, 1	0, 4, 4	0, 7, 1	1, 6, 1	3, 2, 3	3, 3, 2	2, 4, 2	2, 5, 3	4, 3, 1	0, 4, 4

PAST SEASONS.

WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks.	Warmth ...	6, 4, 3	7, 4, 2	7, 4, 2	9, 1, 3	7, 2, 4	7, 2, 4	4, 7, 2	8, 2, 3	7, 2, 4	7, 4, 2	7, 2, 4	6, 3, 4
	Rainfall ...	5, 6, 2	5, 4, 4	1, 5, 7	3, 1, 9	2, 3, 8	3, 5, 5	5, 4, 4	5, 2, 6	3, 5, 5	5, 2, 5	4, 3, 6	5, 1, 7
	Sunshine ...	3, 9, 1	2, 9, 2	1, 10, 2	3, 6, 4	2, 5, 6	4, 5, 4	2, 5, 6	2, 11, 0	3, 5, 5	1, 3, 9	1, 5, 7	2, 6, 5
SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 2, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Jan. 23rd. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	46	43	44·6	+0·4
Wick	43	43	43·0	−1·5	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	43	41	42·4	+2·2
Ballantrae	44	41	42·9	+0·5	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	44	41	42·5	+2·1
Scilly	49	46	47·4	—	ENGLAND, S.E.				
Plymouth‡	48	47	47·1	−0·2	Eastbourne‡	44	42	42·4	+0·8
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	50	40	43·5	−1·4	Port Erin	47	44	45·4	−0·6

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(3810—19.) Wt. 229—611. 450. 1/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
a, Islands.. p *Baltasound*	*31*	*48*	*19th*	*33*	*18th*	*43·5*	*36·8*	*40·3*	—	*6*	*0·85*	*22*	—	*0·2*	—	*3*	•	•	38·7	•	•	•	*Baltasound.*
a Lerwick..	54	47	18, 19	22	17, 18	43·6	35·7	39·8	+ 0·7	7	1·14	29	—	0·8	- 0·1	12	•	•	•	•	•	•	Deerness.
a Stornoway	51	49	19, 20	32	23rd	44·0	34·9	39·6	+ 0·5	7	2·13	54	+ 25	0·6	- 0·3	9	•	•	•	•	•	•	Stornoway.
a *Castlebay, Barra Isd.*	*37*	*49*	*19, 20*	*34*	*22nd*	*44·9*	*36·7*	*41·0*	*- 0·6*	*7*	*0·55*	*14*	—	*1·0*	—	*14*	•	•	•	•	•	•	*Castlebay.*
b, Mainland. a Wick	81	48	19th	32	23rd	43·6	35·3	39·7	+ 1·5	6	0·32	8	- 7	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	52	20th	33	18, 21	43·6	35·1	39·5	+ 2·7	2	0·31	8	- 10	1·6	+ 0·5	23	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500									7	3·21	82	+ 24	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	49	19th	19	18th	44·4	28·3	36·7	- 1·0	3	0·53	13	- 19	1·0	+ 0·4	14	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	47	19, 20	30	23rd	42·0	34·0	38·2	- 1·2	4	1·34	34	- 20	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
p Gordon Castle	101	52	20th	33	17, 21, 23	43·1	34·6	39·0	+ 0·9	4	0·28	7	- 5	0·6	—	8	4	28	34·0	−1·2	36·9	−1·1	Crathes.
a Nairn	82	49	19, 20	32	22nd	43·3	35·3	39·5	+ 2·1	5	0·20	5	- 6	*0·1*	—	*1*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen	46	49	19th	33	19th	43·1	36·0	39·7	+ 2·0	5	0·59	15	+ 2	1·0	—	14	•	•	•	•	•	•	Nairn.
a Balmoral	930	47	19th	28	23rd	43·1	31·9	37·7	+ 3·5	3	0·62	16	- 2	0·9	- 0·7	13	•	•	•	•	39·6	- 0·1	Aberdeen.
p Crieff	432	49	20th	30	23rd	43·6	33·9	38·9	+ 1·7	2	0·07	2	- 21	•	•	•	6	25	•	•	•	•	Balmoral.
														3·4	•	47	•	•	•	•	•	•	Balruddery.
a Leith	18	51	20th	33	17, 23	44·3	36·1	40·4	+ 1·3	1	0·02	0·4	- 8·6	•	•	•	•	•	•	•	•	•	
a West Linton	769	47	20th	22	23rd	40·7	29·9	35·5	+ 0·6	4	0·20	5	—	*2·2*	—	*30*	5	17	•	•	•	•	*West Linton.*
p Marchmont	498	48	20th	31	18th	42·9	34·3	38·8	+ 2·2	3	0·33	8	- 5	2·3	+ 0·9	31	4	28	•	•	•	•	Marchmont.
a *Edinburgh*	*441*	*49*	*20th*	*32*	*17, 22*	*41·7*	*35·1*	*38·5*	—	*2*	*0·06*	*2*	—	2·3	—	31	4	25	•	•	•	•	Edinburgh.
6. a, SCOTLAND, W.																							
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	48	20th	32	17th	43·0	35·3	39·3	+ 0·8	2	0·19	5	- 14	2·7	+ 2·0	37	4	24	•	•	•	•	Glasgow.
p Rothesay‡	170	48	20th	33	21st	43·1	35·9	39·6	0·0	4	0·51	13	- 12	*2·6*	—	*35*	5	26	38·3	•	42·4	+0·3	*Rothesay.*
a Kilmarnock	90	47	20th	25	22nd	42·4	30·6	36·7	- 3·0	3	0·26	7	—	*2·4*	—	*32*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	48	20th	32	23rd	44·1	36·1	40·3	+ 0·6	5	0·53	13	- 12	•	•	•	1	27	•	•	•	•	
p Dumfries	160	48	20th	31	18, 22	43·1	34·1	38·8	+ 0·5	1	0·04	1	- 18	*2·7*	—	*36*	4	23	37·3	•	40·7	•	*Dumfries.*
Eskdalemuir	*799*	*45*	*20th*	*26*	*23rd*	*40·4*	*31·6*	*36·2*	—	*4*	*0·55*	*14*	—	*3·2*	—	*42*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	47	20th	29	18th	44·0	32·6	38·5	+ 0·8	3	0·47	12	- 14	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. p Douglas	277	49	20th	33	21st	44·0	37·1	40·7	0·0	5	0·44	11	- 9	3·3	+ 1·7	42	2	28	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	49	19, 20	33	17, 18, 22	43·7	36·0	40·0	+ 1·8	5	0·41	10	- 3	1·5	—	20	5	29	36·8	+0·4	40·3	+0·9	Cockle Park.
a Tynemouth	71	49	20th	33	18, 22	43·4	36·0	39·9	+ 1·1	5	0·47	12	+ 3	•	•	•	•	•	•	•	•	•	*Tynemouth.*
a, North.. p Durham	336	47	19th	31	17, 21, 22	43·8	34·1	38·1	+ 1·0	4	0·51	13	+ 4	1·5	+ 0·1	20	3	29	•	•	•	•	Durham.
p Rounton	249	48	20th	27	18th	42·0	32·3	37·3	+ 0·3	5	0·93	24	+ 14	•	•	•	6	24	37·4	•	•	•	Rounton.
a *West Witton*	*605*	*46*	*20th*	*20*	*17, 22*	*40·7*	*34·1*	*37·5*	—	*4*	*0·23*	*6*	—	•	•	•	3	26	37·3	•	39·6	•	*West Witton.*
p Scarborough	100	46	20th	32	17, 18	42·9	35·4	39·3	+ 0·9	6	0·37	9	- 2	0·6	—	8	3	26	•	•	42·0†	•	Scarborough.
p York	56	49	20th	31	18, 21, 22	43·3	33·1	38·4	+ 0·4	6	0·38	10	+ 1	1·7	+ 0·7	22	•	•	39·4	+1·4	42·1	+0·9	York.
b, South.. a Spurn Head	26	44	20th	32	18th	41·9	35·4	38·8	+ 0·2	5	0·59	15	+ 8	*1·3*	—	*17*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	48	20th	31	22nd	42·9	34·7	39·0	+ 1·8	4	0·22	6	- 3	•	•	•	•	•	37·7	+1·0	42·0	+0·7	Lincoln.
a Fulbeck	180	47	20th	28	22nd	42·3	33·3	38·0	+ 0·6	3	0·39	10	0	0·8	—	10	4	24	39·3	+1·4	43·2	-0·7	Rauceby.
														0·8	—	10	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	46	20, 21	31	23rd	43·3	34·9	39·3	+ 2·4	6	0·70	18	—	0·7	—	9	•	•	•	•	•	•	Cromer.
p Little Massingham	280	45	20, 21	30	23rd	40·9	32·9	37·1	+ 0·4	7	1·08	27	+ 16	1·0	- 0·5	13	4	29	•	•	•	•	Lit. Massingham.
a, North.. a Yarmouth	17	46	20th	29	23rd	42·0	32·9	37·6	+ 0·2	6	1·18	30	+ 21	0·5	—	6	•	•	38·4	+1·3	44·0	+1·4	Yarmouth.
a Norwich	93	46	20th	28	23rd	41·4	34·1	37·9	+ 0·7	7	1·14	29	—	*0·5*	—	*6*	3	28	38·3	•	•	•	*Norwich.*
a Geldeston	37	47	20th	25	23rd	41·4	33·1	37·4	- 0·3	7	1·50	38	+ 29	0·6	- 1·1	8	•	•	•	•	•	•	Geldeston.
b, South.. p Cambridge	41	47	21st	30	22, 23	42·6	32·9	37·9	+ 0·4	6	1·20	30	+ 22	1·3	- 0·3	16	4	24	39·3	+1·7	43·4	+1·0	Cambridge.
a Clacton-on-Sea	54	44	20, 21	18	23rd	39·9	32·9	36·1	- 2·0	6	0·98	25	—	2·1	—	26	4	16	39·4	0·0	44·3	+0·2	Clacton.
a Rothamsted	424	45	20th	30	18, 22, 23	40·4	32·7	36·7	- 0·5	4	1·42	36	+ 25	1·8	+ 0·2	22	5	26	37·9	•	•	•	Rothamsted.
p Tottenham	51	48	20, 21	26	23rd	42·7	34·3	38·7	0·0	3	1·25	32	—	1·5	—	19	4	24	•	•	44·3	+0·6	Tottenham.
4. MIDLAND COUNTIES.																							
a North.. a Harrogate	479	46	20th	29	22nd	41·3	33·0	37·3	+ 0·5	3	0·18	5	- 8	1·9	—	25	5	23	38·1	+0·1	40·5	+0·3	Harrogate.
p *Buxton*	*987*	*45*	*20th*	*28*	*18, 22*	*39·3*	*31·1*	*35·4*	*+ 0·1*	*5*	*0·93*	*24*	*- 3*	*1·1*	—	*14*	5	20	36·0	-1·3	39·9	-2·4	*Buxton.*
														1·6	—	20	5	26	38·4	+1·2	42·1	+0·4	Sheffield.
a Bawtry	65	48	20th	31	22nd	42·9	35·1	39·2	+ 1·5	3	0·09	2	- 7	1·0	- 0·2	13	6	23	38·0	—	41·5	—	Worksop.
a Nottingham	82	48	20th	29	22nd	43·5	34·9	39·3	+ 1·6	4	0·55	14	+ 4	0·9	—	11	5	25	37·1	+0·8	40·6	+0·7	Nottingham.
b, East.. p Birmingham, Edgbsn.	535	47	20th	30	22nd	41·4	33·7	37·7	0·0	4	0·62	16	+ 5	0·8	—	10	3	27	39·9	+0·5	44·7	+0·5	Birmingham.
a Raunds	203	47	20th	28	22nd	41·9	32·3	37·3	+ 0·3	3	0·52	13	—	*1·5*	—	*19*	4	20	40·4	•	45·0	•	*Raunds.*
p Oxford	208	47	20, 21	32	18, 22	42·9	34·6	38·9	0·0	4	0·64	16	+ 6	1·8	+ 0·3	22	5	25	•	•	•	•	Oxford.
a Cheadle	646	46	20th	27	18, 22	41·1	31·7	36·6	0·0	4	0·37	9	- 5	•	•	•	5	23	•	•	•	•	Cheadle.
p Shrewsbury	191	49	20th	31	22, 23	43·7	34·6	39·3	+ 1·1	3	0·37	9	—	•	•	•	4	25	•	•	•	•	Shrewsbury.
c, West.. a Hereford§	291	49	20th	31	18, 22	43·1	34·4	38·9	+ 0·7	4	0·20	5	- 8	*2·4*	—	*30*	5	25	38·1	•	42·1	•	*Malvern.*§
a Cirencester	446	47	20th	29	18th	41·5	32·7	37·3	+ 0·1	3	0·32	8	- 5	1·5	0·0	19	4	25	39·7	•	42·9	•	Cirencester.
a Bath	66	50	20th	33	18, 19, 23	44·7	35·9	40·5	+ 1·1	4	0·39	10	- 3	1·9	—	23	•	•	40·2	+0·3	44·3	-0·3	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	47	20th	27	18th	42·3	32·3	37·5	+ 0·1	3	0·48	12	- 2	2·9	—	35	5	22	39·6	+1·0	44·9	+0·9	Worthing.
a Margate	53	47	20th	31	23rd	42·4	35·9	39·3	+ 0·3	6	0·69	18	+ 9	1·6	+ 0·2	20	5	17	42·3	•	48·2	•	Marlborough.
a Wisley, Surrey	150	48	20th	22	23rd	41·1	32·4	36·9	- 2·3	4	1·69	41	—	1·7	+ 0·2	21	1	22	40·4	+1·5	44·2	+2·0	Margate.
p Salisbury (Wilton)	180	49	21st	30	18, 19, 22	43·4	33·7	38·7	+ 1·0	3	0·41	10	- 5	1·8	—	22	5	21	39·1	+0·8	44·0	+1·2	Wisley.
a Tunbridge Wells	354	47	20th	18	23rd	40·1	31·1	35·8	- 1·7	3	0·48	12	- 3	•	•	•	5	24	39·6	•	•	•	Salisbury.
														2·0	+ 0·5	25	5	11	39·6	+2·5	43·3	•	Tunbridge Wells.
a Dungeness	21	47	20th	27	22nd	42·9	32·0	37·7	- 1·5	3	0·55	14	+ 4	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	47	20–22	29	22nd	43·1	33·9	38·7	- 0·7	4	0·46	12	- 1	2·6	+ 0·7	31	4	24	39·5	•	44·6	•	Hastings.
p Southampton	64	48	20, 21	30	22, 23	43·4	33·7	38·7	- 1·3	4	0·95	24	+ 10	2·4	+ 0·7	29	5	24	•	•	•	•	Southampton.
a Ventnor	59	48	20th	31	22nd	44·0	35·9	40·1	- 1·6	4	1·75	44	+ 30	3·1	+ 1·2	37	•	•	•	•	•	•	Ventnor.
LONDON. p Kew	18	48	20, 21	27	23rd	42·8	33·8	38·5	- 0·4	3	1·54	39	+ 30	1·7	+ 0·4	21	5	23	39·0	+0·9	44·1	+0·5	Kew.
a *Westminster*	*27*	*49*	*20th*	—	—	*42·1*	—	—	—	*4*	*1·43*	*36*	*+ 26*	*1·0*	*+ 0·4*	*12*	4	28	•	•	•	•	*Westminster.*
a *Greenwich*	*155*	*47*	*20th*	*22*	*23rd*	*41·0*	*33·6*	*37·5*	*- 1·2*	*5*	*1·44*	*37*	*+ 28*	*1·2*	*- 0·1*	*15*	5	18	•	•	•	•	*Greenwich.*
a *Hampstead*	*450*	*45*	*20th*	*21*	*23rd*	*40·1*	*27·8*	*34·2*	—	*4*	*1·43*	*36*	—	*1·5*	—	*19*	6	15	•	•	•	•	*Hampstead.*
a *Camden Square*	*110*	*48*	*20th*	*27*	*23rd*	*42·0*	*33·6*	*38·0*	—	*3*	*1·44*	*37*	—	*1·3*	—	*16*	5	24	•	•	•	•	*Camden Square.*
7. a, ENGLAND, N.W.																							
p Aspatria	250	47	20th	28	17, 18, 22	41·4	31·6	36·7	- 1·2	3	0·30	8	- 8	1·9	—	24	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	47	20th	28	18th	40·7	33·0	37·0	+ 0·1	3	0·41	10	- 9	2·2	—	29	4	19	38·9	•	43·0	•	Aspatria.
p Stonyhurst	375	47	20th	31	22nd	42·3	33·9	38·3	+ 0·3	4	0·83	21	- 3	1·6	+ 0·3	21	5	19	38·1	0·0	40·6	0·0	Newton Rigg.
p Blackpool	66	47	21st	34	22, 23	43·7	37·3	40·6	+ 1·9	2	0·23	6	- 9	2·3	+ 1·2	30	6	20	•	•	•	•	Stonyhurst.
a *Southport*	*37*	*47*	*20th*	*33*	*22nd*	*43·1*	*37·1*	*40·2*	*+ 1·3*	*3*	*0·27*	*7*	*- 8*	2·4	+ 1·2	31	3	28	40·9	•	44·5	•	Blackpool.
a Liverpool (Bidston)	188	50	20th	34	22nd	43·4	37·1	40·4	+ 0·4	2	0·32	8	- 4	*2·7*	*+ 1·4*	*35*	2	26	38·0	+1·0	41·0	+0·5	*Southport.*
a *Hawarden Bridge*	*22*	*51*	*20th*	*34*	*18th*	*44·8*	*37·9*	*41·5*	*+ 1·1*	*3*	*0·53*	*13*	*+ 4*	*1·0*	*+ 0·5*	*13*	3	27	38·7	+0·9	42·7	+0·1	*Liverpool.*
p Manchester (Whit. Pk.)	125	49	20th	32	22nd	43·3	36·1	39·8	+ 0·7	4	0·41	10	- 3	*0·4*	—	*5*	•	•	•	•	•	•	*Manchester (City).*
																							" (*Whit. Park*)
b NORTH WALES.																							
p Llandudno	71													•	•	•	•	•	•	•	•	•	Llandudno.
a Holyhead	15	49	20th	36	22nd	45·7	39·6	42·8	+ 0·9	5	0·95	24	+ 7	*2·4*	—	*30*	•	•	•	•	•	•	*Holyhead.*
p *Bettws-y-Coed*	*148*	*49*	*20th*	*32*	*23rd*	*44·1*	*36·7*	*40·6*	*- 0·1*	*6*	*1·48*	*38*	—	*1·0*	—	*13*	•	•	40·4	+1·1	44·0	+0·5	*Bettws-y-Coed.*
														2·2	—	28	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Difference from average.	Earth 4 ft. Mean.	Difference from average	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	°	•	in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														1·4	—	18	•	•	•	•	•	•	
a Llangammarch Wells	550	47	20th	28	18, 22	42·0	33·1	37·7	+ 0·5	6	0·96	24	—	1·7	—	21	5	20	40·1	+0·6	45·0	+0·6	Aberystwyth.
a Pembroke	149	47	19, 20	36	22, 23	44·6	40·0	42·4	- 0·2	5	0·61	15	- 4	1·6	- 0·1	20	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	48	21st	32	18th	43·1	34·9	39·2	- 0·4	5	0·61	15	- 6	*2·6*	—	*32*	4	24	39·6	+1·3	44·0	+0·8	Pembroke.
																							Cardiff.
b, ENGLAND, S.W.																							
a Clifton	229	48	20th	33	22nd	43·6	36·7	40·3	+ 0·8	3	0·32	8	- 8	*2·1*	—	*26*	4	27	•	•	•	•	*Clifton.*
a Shaftesbury	722	45	20th	27	18th	39·3	31·0	35·3	- 2·3	4	0·46	12	- 3	•	•	•	•	•	38·8	•	43·7	•	Shaftesbury.
a Arlington	613	47	20th	31	22nd	42·6	35·6	39·2	- 0·1	6	1·51	38	+ 12	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*49*	*20th*	*34*	*23rd*	*45·3*	*39·9*	*42·7*	*- 1·0*	*6*	*0·86*	*22*	*+ 5*	1·2	- 0·5	14	0	32	43·8	•	46·3	•	Newquay.
a Cullompton	202	49	20th	32	19, 23	44·0	35·9	40·1	+ 0·5	4	0·68	17	- 1	2·6	+ 1·1	31	5	24	41·8	•	•	•	Cullompton.
a Portland Bill	19	47	19-21	35	22nd	44·6	38·1	41·5	- 0·3	3	0·68	17	—	*3·5*	—	*42*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	49	20, 21	33	22nd	44·7	36·7	40·9	- 1·3	6	0·55	14	- 5	3·0	+ 1·4	36	•	•	42·0	+0·6	•	•	Plymouth.
a Falmouth	167	49	20th	33	23rd	45·3	39·1	42·3	- 1·2	6	1·14	29	+ 5	1·9	+ 0·1	23	2	26	43·2	•	46·6	•	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	48	19, 20	34	22nd	44·6	36·3	40·6	- 0·3	6	0·71	18	+ 3	*1·1*	—	*14*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	53	19th	33	22nd	46·4	36·3	41·6	- 1·0	6	0·71	18	- 10	•	•	•	•	•	•	•	•	•	
p Markree Castle ..	122	50	20th	29	23rd	45·0	34·6	40·0	+ 0·6	6	0·71	18	- 3	1·6	+ 0·3	21	2	29	40·9	•	44·0	•	Markree Castle.
a Birr Castle	175	50	20th	32	18th	43·3	35·1	39·4	- 0·2	4	0·68	17	+ 1	*2·5*	*+ 0·9*	*32*	•	•	•	•	•	•	*Birr Castle.*
b, East .. { *p* Armagh	196	49	20th	30	23rd	43·4	34·3	39·0	- 0·5	5	0·30	8	- 6	2·5	+ 1·0	32	4	25	40·1	+0·1	43·1	-0·1	Armagh.
a Donaghadee	101	50	20th	29	22nd	44·1	36·3	40·4	- 0·1	5	0·35	9	- 6	•	•	•	•	•	•	•	•	•	
														•	•	•	2	29	40·3	-0·2	43·3	-0·5	Trinity Coll.
10. IRELAND, S.														2·8	+ 0·9	35	3	24	•	•	•	•	Phœnix Park.
a, East .. { *p* Dublin, City	47	51	20th	32	17, 23	43·9	35·6	39·9	- 1·6	3	0·44	11	- 2	•	•	•	1	29	•	•	•	•	Dublin City.
a Kilkenny	212	50	20th	33	17, 23	42·7	36·0	39·5	- 0·6	4	0·36	9	- 11	•	•	•	•	•	•	•	•	•	
a Waterford	30	52	20th	33	17, 18, 23	44·7	35·7	40·4	- 0·7	4	0·35	9	- 13	•	•	•	•	•	•	•	•	•	
a Seskin, Carrick-on-Suir	*541*	*50*	*20th*	*31*	*23rd*	*42·1*	*34·0*	*38·2*	—	*6*	*0·53*	*13*	—	*3·3*	—	*41*	4	30	•	•	•	•	*Seskin.*
b, West .. { *a* Birr Castle	175	50	20th	32	18th	43·3	35·1	39·4	- 0·2	4	0·68	17	+ 1	2·5	+ 0·9	32	•	•	•	•	•	•	Birr Castle.
a Foynes	50	51	19th	33	19th	45·3	36·6	41·1	- 0·8	5	1·17	30	+ 9	•	•	•	•	•	•	•	•	•	
a Cahir	198	51	20th	33	22, 23	43·9	36·3	40·3	- 1·0	5	0·63	16	—	•	•	•	•	•	•	•	•	•	
a Killarney	174	53	20th	32	18th	46·9	37·0	42·2	- 0·3	6	0·97	25	- 11	•	•	•	•	•	•	•	•	•	
a Valencia	30	51	20th	39	18th	46·7	41·3	44·1	- 0·4	6	0·79	20	- 12	2·0	+ 0·4	25	•	•	•	•	•	•	Valencia.
a Roche's Point	32	52	20th	36	23rd	45·6	38·9	42·4	- 1·1	4	0·16	4	- 22	2·7	—	33	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	50	20th	38	23rd	46·7	40·9	43·9	- 1·8	7	0·75	19	+ 1	1·7	- 0·2	20	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	51	20th	33	23rd	47·6	38·6	43·3	+ 0·7	7	1·61	41	+ 24	2·3	+ 0·1	27	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	49	20th	35	22, 23	45·6	39·1	42·5	- 0·7	3	0·85	22	+ 3	2·1	+ 0·4	25	0	32	43·4	+0·2	46·9	+0·4	Guernsey †

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, January 23rd, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Total Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	Total Duration.	Fresh or Moderate Winds forces 4 and 5. Total Duration.	Calms and Light Airs. Total Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
1. SCOTLAND, E.	ft.	ft.		hr.		hr.	hr.	hr.		m/s.	d. h. m.
Dyce	75	?	—	—	—	—	34	134	SW. 9	20th 8h	23 17th 3 . 10
Aberdeen*	105	37	—	—	17th	4	75	89	NW. by W. 12	17th 5h	22 17th 11 . 15
Edinburgh	39	31	—	—	20th	8	87	73	WSW. 15	20th 12h.	24 20th 12 . 5
6. SCOTLAND, W.											
Eskdalemuir ..	50	22	20th	2	17, 20, 21	21	78	67	SW. 19	20th 9h.	26 20th 9 . 35
Paisley (Coats Obs.)	80	—	—	—	20th	1	32	135	WSW. 11	20th 10h.	23 20th 5 . 35
2. ENGLAND, N.E.											
Alnwick Castle ..	70	17	—	—	17th	1	49	118	NNW. 11	17th 14h.	22 17th 12 . 30
South Shields ..	61	12	—	—	17th	4§	76§	87§	NNW. 12	17th 13h.	22 17th 19 . 35
Spurn Head	40	—	—	—	17, 18, 21	32	76	60	NW. by N. 15	17th 14h.	25 17th 15 . 45
3. ENGLAND, E.											
Gorleston	42	—	—	—	17th	4§	63§	91§	— 12	17th 23h.	26 17th 23 . 0
Shoeburyness ..	90	—	—	—	17th	2	66	100	— 12	17th 21h.	20 17th 20 . 35
4. MIDLAND COUNTIES.											
Benson	84	—	—	—	22nd	2	71	95	NNW. 11	22nd 14h.	17 21st 13 . 35
5. ENGLAND, S.E.											
Dover	40	—	—	—	17, 18, 21	39§	36§	18§	— 16	18th 3h.	24 18th 2 . 10
Warlingham	33	5	—	—	—	—	20	148	— 8	20th 19h.	14 21st 14 . 30
Brighton	53	6	—	—	—	—	24§	85§	— 10	21st 15h.	16 21st 15 . 10
Kew†	65	7	—	—	—	—	27§	139§	SW. 7	21st 1h.	17 21st 13 . 50
South Kensington ..	92	30	—	—	—	—	—	168	N. 4	17th 24h.	8 21st 15 . 0
7. ENGLAND, N.W.											
Carnforth	56	23	—	—	—	—	41	127	SW. 9	20th 13h.	14 20th 12 . 35
Southport	62	48	—	—	17 to 22	39	106	23	NW. by W. 16	21st 11h.	24 21st 14 . 25
Holyhead*	40	—	21st	3	17, 18, 20 to 22	67	94	4	NW. by N. 20	21st 22h.	32 21st 22 . 45
8. ENGLAND, S.W.											
Pendennis Castle* ..	65	24	—	—	17, 20 to 23	57§	73§	35§	NNE. 17	23rd 11h.	29 21st 12 . 30
Plymouth	86	—	—	—	22nd	7	40	121	— 12	22nd 15h.	19 22nd 13 . 20
10. IRELAND, S.											
Quilty	40	—	21st	14	20 to 23	45	100	9	— 19	21st 21h.	33 21st 15 . 0
Weaver Pt.	30	—	—	—	21 to 23	36	64	68	— 15	23rd 5h.	21 21st 16 . 25
11. ENGLISH CHANNEL.											
Scilly*	19	—	21, 22	25	17, 20 to 23	68	71	4	NW. 21	21st 23h.	31 21st 18 . 30

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRD WEEK—January 17th to January 23rd, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure
			Means of				Accumulated Number of Day-Degrees.											
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Mean for the Week at M.S.L.
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	52	19	43·5	33·9	38·9	0·0	4	− 3	31	− 1	5	0	1·28	33	− 4	1·0	+0·2	14	1007
Eastern.																			
1. SCOTLAND, EAST ...	52	22	43·0	34·0	38·7	+ 0·6	3	− 5	30	− 7	3	− 1	0·29	7	− 8	1·8	+0·3	24	1008
2. ENGLAND, N.E.	49	27	42·7	34·5	38·8	− 0·1	2	− 6	28	− 4	5	+ 2	0·47	12	+ 2	1·2	−0·2	15	1008
3. ENGLAND, EAST ...	48	18	41·6	33·3	37·6	− 0·5	0	− 8	31	− 6	6	+ 3	1·16	29	+ 20	1·2	−0·4	16	1008
4. MIDLAND COUNTIES ...	50	27	42·5	33·9	38·4	+ 0·1	1	− 9	30	− 6	4	+ 1	0·39	10	− 1	1·4	0·0	18	1011
5. ENGLAND, S.E.	49	18	42·6	33·5	38·2	− 1·6	2	− 9	31	+ 3	4	0	0·89	23	+ 11	2·2	+0·6	27	1010
Western.																			
6. SCOTLAND, WEST ...	49	25	43·4	34·5	39·1	+ 1·2	4	− 7	28	+ 4	3	− 1	0·35	9	− 18	3·0	+1·8	36	1010
7. ENGLAND, N.W.	50	28	2·9	35·5	39·4	− 0·6	3	− 6	25	− 1	3	− 1	0·49	12	− 5	2·1	+0·9	27	1012
8. ENGLAND, S.W.	49	27	43·4	36·1	39·9	− 1·7	4	− 13	23	+ 3	5	+ 1	0·75	19	− 1	1·9	+0·3	24	1013
9. IRELAND, NORTH ...	53	29	44·5	35·5	40·2	− 0·8	7	− 7	26	+ 4	5	0	0·58	15	− 4	2·1	+0·7	27	1013
10. IRELAND, SOUTH ...	53	32	44·8	36·9	41·0	− 1·8	8	− 13	21	+ 5	5	+ 1	0·62	16	− 6	2·5	+0·9	31	1018
11. ENGLISH CHANNEL ...	51	33	46·6	39·5	43·2	− 1·2	19	− 6	7	0	6	+ 1	1·07	27	+ 11	2·0	0·0	24	1015

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 8 Weeks, November 29th, 1914, to January 23rd, 1915.

0. SCOTLAND, NORTH ...	56	18	42·6	33·6	38·3	*	26	− 39	261	+ 9	43	+ 1	15·09	383	+119	0·6	−0·1	10	994
Eastern.																			
1. SCOTLAND, EAST ...	56	7	42·0	32·1	37·2	*	25	− 34	319	+ 8	36	+ 5	8·38	213	+ 84	1·2	+0·1	17	996
2. ENGLAND, N.E.	59	23	44·2	35·7	40·1	*	63	− 7	195	−55	42	+12	6·61	168	+ 72	1·2	0·0	17	999
3. ENGLAND, EAST ...	58	18	45·5	36·6	41·2	*	118	+ 41	157	−131	47	−17	9·09	230	+143	1·2	−0·2	15	1002
4. MIDLAND COUNTIES ...	59	20	45·1	35·5	40·5	*	87	+ 2	201	−91	41	+11	9·10	231	+127	1·2	0·0	16	1002
5. ENGLAND, S.E.	56	18	47·2	37·9	42·7	*	164	+ 46	116	−95	44	+14	12·34	314	+200	1·4	−0·1	18	1004
Western.																			
6. SCOTLAND, WEST ...	55	19	44·0	35·4	39·8	*	55	− 37	200	+ 3	41	+ 5	11·19	284	+ 50	1·2	+0·2	17	997
7. ENGLAND, N.W.	60	21	45·1	36·9	41·2	*	93	− 2	145	−54	41	+ 8	10·51	267	+118	1·2	+0·1	16	999
8. ENGLAND, S.W.	56	21	47·0	38·4	42·9	*	152	− 2	107	−43	47	+13	13·80	350	+158	1·6	+0·1	21	1002
9. IRELAND, NORTH ...	56	14	44·6	35·6	40·3	*	78	− 33	192	+17	47	+ 8	10·23	260	+ 92	1·2	−0·1	16	996
10. IRELAND, SOUTH ...	59	17	46·5	36·6	41·7	*	125	− 52	165	+32	48	+11	12·68	323	+123	1·9	+0·3	24	1000
11. ENGLISH CHANNEL ...	56	32	49·7	42·3	46·2	*	265	+ 21	20	−26	52	+13	13·18	335	+169	1·6	−0·3	19	1005

THE YEAR.—Aggregates, &c., for the Period of 3 Weeks, January 3rd, 1915, to January 23rd, 1915.

0. SCOTLAND, NORTH ...	52	19	42·8	33·9	38·5	*	10	− 9	94	− 11	17	+ 2	5·73	146	+ 52	0·7	0·0	11	997
Eastern.																			
1. SCOTLAND, EAST ...	53	19	42·2	32·8	37·7	*	7	− 11	107	− 17	14	+ 3	2·13	54	+ 10	1·2	0·0	17	998
2. ENGLAND, N.E.	55	27	43·6	35·7	39·8	*	13	− 8	71	− 33	16	+ 5	2·19	56	+ 23	1·0	−0·2	14	1000
3. ENGLAND, EAST ...	56	18	44·3	35·9	40·3	*	29	+ 6	63	− 57	19	+ 8	2·72	69	+ 39	1·2	−0·2	16	1003
4. MIDLAND COUNTIES ...	56	27	44·6	35·8	40·4	*	29	+ 1	67	− 52	15	+ 4	2·58	66	+ 29	1·2	−0·1	15	1004
5. ENGLAND, S.E.	56	18	45·9	37·2	41·7	*	48	+ 14	48	− 44	15	+ 4	2·96	76	+ 37	1·7	+0·2	21	1005
Western.																			
6. SCOTLAND, WEST ...	53	22	43·9	35·3	39·7	*	16	− 11	77	− 7	15	+ 2	3·21	82	+ 2	1·7	+0·6	24	1000
7. ENGLAND, N.W.	55	25	44·5	37·2	41·0	*	28	0	53	− 32	13	+ 1	3·50	89	+ 39	1·2	+0·1	16	1004
8. ENGLAND, S.W.	53	27	46·2	39·2	42·8	*	47	− 2	30	− 36	17	+ 5	3·67	93	+ 30	1·5	0·0	19	1006
9. IRELAND, NORTH ...	53	29	45·1	36·3	40·9	*	33	− 5	63	− 9	18	+ 4	3·21	82	+ 23	1·3	0·0	17	1002
10. IRELAND, SOUTH ...	59	26	46·6	38·1	42·5	*	46	− 14	47	− 7	17	+ 4	3·05	78	+ 6	2·0	+0·5	26	1008
11. ENGLISH CHANNEL ...	54	33	48·9	42·1	45·6	*	87	+ 12	7	− 18	20	+ 6	3·38	86	+ 32	1·7	−0·3	21	1009

W. N. SHAW, Director.
Meteorological Office, South Kensington, January 27th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 4. FOURTH WEEK, SUNDAY, JANUARY 24TH, TO SATURDAY, JANUARY 30TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks on Wind and Weather.

Temperature was low throughout the week, the maximum readings being generally below 40° over a large area. Some sharp night frosts occurred; during the 23rd the thermometer fell to 18° in Essex (which was much colder than other parts of England East), and to 21° in England South-East, while on the same night a reading of 19° was recorded in Scotland North, and readings of 20° in Scotland East and West; in Ireland the lowest value, 22°, occurred on the 30th. The difference from the average ranged from 2°·5 in England East to 5°·8 in Scotland West. Rain fell rarely and was much below the average in all districts. In many localities the total fall was no more than 1 mm., while at Jersey and Crieff the week was without rain. On Friday there was slight snow in a few parts of the Kingdom, and on Saturday a little was experienced over a wider area. Bright sunshine was below the normal generally, but above it in Scotland North, and in England North-West and South-West. Over the greater portion of England the daily mean amount did not exceed 0·6 hour, but in the brightest district, England North-West, it was 2·2 hours.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Very light	Very light	Light	Light	Light	Light	Very light	Very light	Light	Light	Light	Light
	Sunshine ...	Moderate	Scanty	Scanty	Very scanty	Scanty	Scanty	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.

WINTER, 9 weeks from Nov. 29th, 1914.	Warmth ...	1, 6, 2	0, 7, 2	3, 4, 2	5, 3, 1	3, 5, 1	6, 1, 2	1, 6, 2	3, 4, 2	1, 6, 2	2, 4, 3	0, 5, 4	3, 4, 2
	Rainfall ...	3, 4, 2	5, 2, 2	7, 1, 1	7, 1, 1	7, 1, 1	7, 1, 1	3, 3, 3	5, 3, 1	7, 1, 1	5, 3, 1	5, 3, 1	7, 1, 1
	Sunshine ...	2, 4, 3	3, 4, 2	1, 6, 2	0, 4, 5	0, 7, 2	1, 6, 2	3, 3, 3	4, 3, 2	2, 5, 2	2, 4, 3	4, 4, 1	0, 5, 4

PAST SEASONS.

WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks.	Warmth ...	6, 4, 3	7, 4, 2	7, 4, 2	9, 1, 3	7, 2, 4	7, 2, 4	4, 7, 2	8, 2, 3	7, 2, 4	7, 4, 2	7, 2, 4	6, 3, 4
	Rainfall ...	5, 6, 2	5, 4, 4	1, 5, 7	3, 1, 9	2, 3, 8	3, 5, 5	5, 4, 4	5, 2, 6	3, 5, 5	5, 3, 5	4, 3, 6	5, 1, 7
	Sunshine ...	3, 9, 1	2, 9, 2	1, 10, 2	3, 6, 4	2, 5, 6	4, 5, 4	2, 5, 6	2, 11, 0	3, 5, 5	1, 3, 9	1, 5, 7	2, 6, 5
SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 9, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Jan. 30th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
SCOTLAND, N.	°	°	°	°	IRELAND, S.W.	°	°	°	°
Lerwick	—	—	—	—	Cleggan	45	40	43·5	−0·5
Wick	43	42	42·6	−1·6	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	42	40	41·0	+1·4
Ballantrae	45	40	42·7	+0·6	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	47	45	45·9	—	ENGLAND, S.E.				
Plymouth‡	47	46	46·0	−0·7	Eastbourne‡	42	40	41·1	+0·8
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	43	41	41·7	−3·0	Port Erin	45	43	43·9	−1·4

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(3879—19.) Wt. 229—611. 450. 2/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*	*43*	*26th*	*31*	*24th*	*41·4*	*35·4*	*38·5*	—	*6*	*0·19*	*5*	—	*0·6*	—	*9*	*	*	37·8	*	*	*	*Baltasound.*
a Islands .. a Lerwick	54	43	24–26	34	27, 28, 30	41·7	35·0	38·5	− 0·5	5	0·32	8	—	0·4	− 0·7	6	*	*	*	*	*	*	Deerness.
a Islands .. a Stornoway	51	42	24, 25, 26	27	27th	40·4	32·1	36·4	− 2·7	4	0·24	6	− 22	0·9	− 0·3	12	*	*	*	*	*	*	Stornoway,
a Castlebay, Barra Isd. ..	*37*	*45*	*24, 25*	*35*	24th	*43·4*	*38·3*	*41·0*	− *0·6*	*5*	*0·71*	*18*	—	*0·3*	—	*4*							*Castlebay.*
b, Mainland. a Wick	81	42	27th	31	26th	40·6	32·4	36·7	− 1·4	3	0·04	1	− 13	*	*	*	*	*	*	*	*	*	
b, Mainland. p Strathpeffer	200	41	27th	24	27th	33·4	27·3	33·1	− 3·9	1	0·01	0	− 18	1·4	+ 0·1	18	*	*	*	*	*	*	Strathpeffer.
b, Mainland. p Glencarron	500													*	*	*	*	*	*	*	*	*	
b, Mainland. p Fort Augustus	68	44	30th	19	30th	39·3	26·3	33·1	− 4·6	2	0·15	4	− 26	1·1	+ 0·3	14	*	*	*	*	*	*	Fort Augustus,
b, Mainland. p Fort William	171	41	26, 27	25	24th	38·3	28·6	33·6	− 5·7	2	0·25	6	− 46	*	*	*							
1. SCOTLAND, E.																							
p Gordon Castle	101	43	27th	28	25th	39·3	30·3	35·0	− 3·3	2	0·13	3	− 9	1·0	—	13	6	20	33·6	−1·3	38·7	−0·9	Crathes.
a Nairn	82	39	25th	24	26th	36·4	26·9	31·8	− 5·6	2	0·08	2	− 9	*1·3*	—	*17*	*	*	*	*	*	*	*Gordon Castle.*
a Aberdeen	46	42	24th	30	26, 27	38·4	32·9	35·8	− 2·0	3	0·35	9	− 4	1·9	—	25	*	*	*	*	*	*	Nairn.
a Balmoral	930	42	28th	21	26th	39·4	25·0	32·5	− 1·5	1	0·06	2	− 15	0·5	− 1·3	*7*	*	*	*	*	39·6	+0·3	Aberdeen.
p Crieff	432	44	29th	25	26th	37·6	28·4	33·2	− 4·0	0	0·00	0	− 22	*	*	*	7	18	*	*	*	*	Balmoral.
														0·4	—	5	*	*	*	*	*	*	Balruddery.
a Leith	18	42	30th	27	27th	39·6	31·0	35·5	− 3·7	1	0·01	0·3	− 8·7	*	*	*	*	*	*	*	*	*	
a West Linton	769	39	24th	20	27th	35·9	24·1	30·2	− 4·7	2	0·07	2	—	*0·6*	—	*8*	7	15	*	*	*	*	*West Linton.*
p Marchmont	498	40	24th	26	26th	37·6	30·0	34·0	− 2·5	1	0·03	1	− 12	0·5	− 1·1	6	5	21	*	*	*	*	Marchmont.
a Edinburgh	*441*	*42*	*24th*	*31*	27th	*39·0*	*32·7*	*36·0*	—	*1*	*0·02*	*1*	—	1·1	—	14	7	18	*	*	*	*	Edinburgh.
6. *a*, SCOTLAND, W.																							
a Poltalloch	132													*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	180	40	29th	28	24th	37·9	31·3	34·7	− 3·8	1	0·07	2	− 16	0·2	− 0·7	3	6	21	*	*	*	*	Glasgow.
p Rothesay‡	170													*1·4*	—	*18*	*	*	*	*	*	*	*Rothesay.*
a Kilmarnock	90	41	25th	20	24th	38·7	27·7	33·4	− 6·1	2	0·18	5	—	*1·3*	—	*16*	*	*	*	*	*	*	*Kilmarnock.*
a Colmonell	170	44	25th	23	24th	41·0	26·6	34·1	− 5·0	2	0·33	8	− 17	*	*	*	7	19	*	*	*	*	
a Dumfries	160	42	24, 27, 29	25	26th	38·7	29·7	34·4	− 4·0	1	0·10	3	− 16	*2·0*	—	*25*	7	22	34·6	*	39·7	*	*Dumfries.*
Eskdalemuir	*799*	*40*	*24th*	*20*	*27th*	*36·1*	*25·0*	30·8	—	1	0·08	2	—	*1·6*	—	*20*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse	120	45	24, 29	25	24, 30	41·9	28·7	35·6	− 2·4	1	0·01	0	− 25	*	*	*	*	*	*	*	*	*	
b, I. OF MAN. *p* Douglas	277	45	24th	30	29th	41·6	34·1	38·0	− 2·7	3	0·19	5	− 15	2·4	+ 0·6	30	4	24	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	219	42	24th	23	26th	38·4	30·6	34·7	− 3·5	5	0·26	7	− 6	0·7	—	9	5	19	35·3	−0·4	40·0	+0·9	Cockle Park.
a Tynemouth	71	43	24, 29	27	26th	39·9	32·7	36·4	− 2·3	4	0·20	5	− 4	*	*	*	*	*	*	*	*	*	*Tynemouth.*
a Durham	336	41	24, 25	23	26th	38·5	31·2	35·0	− 2·2	4	0·10	3	− 6	0·7	− 0·9	9	4	19	*	*	*	*	Durham.
a, North .. *p* Rounton	249	41	24, 30	26	25th	39·7	29·9	35·0	− 2·0	4	0·12	3	− 7	*	*	*	7	22	36·2	*	*	*	Rounton.
a, North .. *a West Wilton*	*605*	*40*	*24, 25, 29*	*25*	*26th*	*38·0*	*29·1*	*33·7*	—	*3*	*0·07*	*2*	—	*	*	*	6	19	35·8	*	39·6	*	*West Wilton.*
a, North .. p Scarborough	100	45	24th	33	29th	42·0	36·4	39·3	+ 0·8	4	0·13	3	− 8	0·4	—	5	*	*	*	*	42·0†	*	Scarborough.
a, North .. p York	56	43	29th	28	25, 26	39·4	32·9	36·3	− 1·9	4	0·15	4	− 5	0·4	− 0·8	5	*	*	38·3	+1·1	42·0	+1·1	York.
b, South .. a Spurn Head	26	42	24–26, 30	33	28, 30	41·3	35·4	38·5	− 0·1	4	0·32	8	+ 1	*0·9*	—	*11*	*	*	*	*	*	*	*Spurn Head.*
b, South .. a Lincoln	58	42	24th	31	29th	40·3	33·6	37·1	− 0·2	3	0·11	3	− 6	*	*	*	*	*	37·1	+0·6	41·8	+1·3	Lincoln.
b, South .. a Fulbeck	180	41	24, 30	29	29th	39·0	32·6	35·9	− 1·7	4	0·12	3	− 7	0·2	—	2	4	23	38·8	+1·9	43·0	+0·7	Rauceby.
														0·8	—	10	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
p Cromer	196	42	24th	34	28–30	39·6	35·4	37·6	+ 0·7	4	0·23	6	—	0·3	—	4	*	*	*	*	*	*	Cromer.
a, North .. p Little Massingham	280	41	24th	30	29th	38·9	31·9	35·5	− 1·6	5	0·18	5	− 6	0·4	− 1·3	5	5	22	*	*	*	*	Lit. Massingham.
a, North .. a Yarmouth	17	42	24th	29	24th	39·9	33·9	37·0	− 0·4	4	0·12	3	− 6	0·7	—	8	*	*	37·3	+1·3	43·6	+1·8	Yarmouth.
a, North .. a Norwich	93	42	24th	28	24th	39·4	32·9	36·3	− 0·9	6	0·28	7	—	*0·5*	—	*6*	5	24	37·1	*	*	*	*Norwich.*
a, North .. a Geldeston	37	43	24th	27	24th	40·0	32·6	36·5	− 1·5	5	0·15	4	− 5	0·6	− 1·3	7	*	*	*	*	*	*	Geldeston.
b, South .. p Cambridge	41	43	24th	32	28, 29	39·6	34·4	37·1	− 0·6	1	0·04	1	− 7	0·4	− 1·4	5	4	24	38·8	+2·1	43·0	+1·2	Cambridge.
b, South .. a Clacton-on-Sea	54	42	24, 25	18	24th	39·0	32·1	35·7	− 2·5	3	0·08	2	—	0·4	—	5	2	26	38·2	+0·2	43·4	−0·1	Clacton.
b, South .. a Rothamsted	424	41	24th	30	24, 26, 29	37·7	31·1	34·5	− 2·9	1	0·02	1	− 11	1·0	− 0·7	12	4	24	37·3	*	*	*	Rothamsted.
b, South .. p Tottenham	51	43	24, 26	33	28, 29	39·4	35·3	37·4	− 1·4	1	0·04	1	—	0·8	—	10	3	29	*	*	43·6	+0·6	Tottenham.
4. MIDLAND COUNTIES.																							
a, North .. a Harrogate	479	41	25th	27	25th	38·3	30·6	34·6	− 2·2	3	0·12	3	− 10	1·1	—	14	6	20	37·3	+0·1	40·2	+0·6	Harrogate.
a, North .. *p Buxton*	*987*	*39*	*24, 25*	*27*	*25th*	*36·6*	*29·4*	*33·1*	− *2·3*	*2*	*0·34*	*9*	− *17*	*0·8*	—	*10*	7	22	35·2	−1·0	39·7	−2·0	*Buxton.*
														0·4	—	5	4	25	37·5	+1·2	41·9	+0·8	Sheffield.
b, East .. a Bawtry	65	42	30th	31	27–29	39·9	32·6	36·4	− 1·3	1	0·06	2	− 7	0·4	− 1·0	5	5	24	37·9	—	41·2	—	Worksop.
b, East .. a Nottingham	82	42	24, 26	30	30th	39·6	35·4	36·6	− 1·2	2	0·04	1	− 9	0·3	—	4	3	25	36·5	+1·1	40·1	+0·8	Nottingham.
b, East .. p Birmingham, Edgbsn.	535	40	24th	30	29th	37·3	32·6	35·0	− 2·7	1	0·05	1	− 10	0·5	—	6	5	24	38·5	0·0	44·2	+0·4	Birmingham.
b, East .. a Raunds	203	42	24, 30	28	29, 30	39·3	30·6	35·1	− 2·1	1	0·11	3	—	*0·3*	—	*4*	7	21	40·1	*	45·0	*	*Raunds.*
b, East .. p Oxford	208	42	24th	31	26–30	38·9	32·7	35·9	− 3·0	1	0·01	0	− 10	0·8	− 0·9	10	6	22	*	*	*	*	Oxford.
c, West .. a Cheadle	646	41	24th	30	28, 29	37·4	31·6	34·6	− 2·3	2	0·09	2	− 12	*	*	*	6	26	*	*	*	*	Cheadle.
c, West .. p Shrewsbury	191	45	27, 30	26	30th	43·0	30·4	37·0	− 1·5	1	0·03	1	—	*	*	*	5	21	*	*	*	*	Shrewsbury.
c, West .. a Hereford§	291	42	24th	26	30th	38·7	30·7	34·9	− 3·5	1	0·10	3	− 10	*0·9*	—	*11*	5	22	36·4	*	41·3	*	*Malvern.§*
c, West .. a Cirencester	446	40	24th	28	26, 28	36·6	30·2	33·5	− 4·0	2	0·09	2	− 11	0·6	− 1·1	7	5	26	38·3	*	42·4	*	Cirencester.
c, West .. a Bath	66	42	24, 26	25	30th	40·1	30·4	35·4	− 4·1	1	0·12	3	− 10	0·9	—	11	*	*	38·7	−0·1	43·7	−0·3	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	46	24th	26	30th	40·6	30·0	35·5	− 2·0	2	0·19	5	− 9	0·8	—	9	5	24	37·8	−0·2	44·1	+0·7	Worthing.
a Margate	53	43	24–26	29	29th	40·3	34·7	37·6	− 1·5	3	0·09	2	− 7	0·5	− 1·0	6	6	20	40·7	*	47·6	*	Marlborough.
a Wisley, Surrey	150	41	24, 26	24	24th	38·6	30·9	34·9	− 4·5	1	0·01	0	—	0·4	− 1·3	5	1	24	39·0	+0·8	43·3	+1·8	Margate.
p Salisbury (Wilton)	180	46	30th	26	26, 30	39·3	29·9	34·8	− 3·0	1	0·13	3	− 12	1·0	—	12	7	18	36·9	−0·4	42·6	+0·4	Wisley.
a Tunbridge Wells	354	41	24, 26	21	24th	38·0	29·0	33·7	− 4·0	3	0·11	3	− 11	*	*	*	5	22	38·0	*	*	*	Salisbury.
														0·6	− 1·0	7	3	21	38·1	+1·5	42·6	*	Tunbridge Wells.
a Dungeness	21	43	24th	24	30th	39·3	31·3	35·5	− 3·7	3	0·08	2	− 8	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings	178	42	24, 30	28	29th	39·7	32·9	36·4	− 3·2	1	0·25	6	− 7	1·0	− 1·1	12	4	21	37·9	*	43·7	*	Hastings.
p Southampton	64	43	24th	29	30th	39·4	33·3	36·5	− 3·7	1	0·15	4	− 10	0·1	− 1·7	1	3	17	*	*	*	*	Southampton.
a Ventnor	59	44	24th	32	29, 30	40·6	34·7	37·8	− 3·7	2	0·32	8	− 6	0·3	− 1·7	3	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	43	24th	32	26, 30	39·7	34·9	37·4	− 1·6	2	0·04	1	− 8	0·5	− 1·0	6	5	23	37·4	+0·3	43·2	+0·2	Kew.
a Westminster	*27*	*44*	*24th*	—	—	*40·5*	—	—	—	*2*	*0·04*	*1*	− *8*	*0·2*	− *0·5*	*2*	1	30	*	*	*	*	*Westminster.*
a Greenwich	*155*	*42*	*24, 26*	*24*	*24th*	*39·0*	*31·6*	*35·5*	− *3·2*	*3*	*0·05*	*1*	− *8*	*1·1*	− *0·4*	*13*	5	26	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*41*	*24th*	*?24*	*24th*	*37·6*	*?28·1*	*?33·0*	—	*1*	*0·03*	*1*	—	*0·5*	—	*6*	7	21	*	*	*	*	*Hampstead.*
a Camden Square	*110*	*44*	*24th*	*28*	*24th*	*39·9*	*32·4*	*36·3*	—	*2*	*0·04*	*1*	—	*0·5*	—	*6*	4	27	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
														1·4	—	17	*	*	*	*	*	*	Hoylake.
p Aspatria	250	42	25th	25	29th	40·3	28·6	34·7	− 3·2	1	0·11	3	− 12	3·3	—	41	6	17	36·1	*	42·7	*	Aspatria.
p Newton Rigg	559	41	24th	25	26th	38·4	29·0	33·9	− 2·9	1	0·11	3	− 16	1·9	+ 0·4	24	7	19	36·0	−1·4	40·0	−0·2	Newton Rigg.
p Stonyhurst	375	42	29th	27	26th	38·4	30·3	34·5	− 3·4	1	0·23	6	− 17	0·8	− 0·5	10	7	18	*	*	*	*	Stonyhurst.
p Blackpool	66	42	24th	26	26th	39·0	30·9	35·1	− 3·6	1	0·19	5	− 10	2·0	+ 0·6	25	7	25	37·7	*	44·0	*	Blackpool.
a Southport	*37*	*41*	*24th*	*29*	*25, 26*	*38·9*	*31·6*	*35·4*	− *3·5*	*1*	*0·22*	*6*	− *9*	*1·3*	− *0·2*	*16*	7	21	34·5	−1·4	40·2	+0·3	*Southport.*
a Liverpool (Bidston)	188	42	25th	30	26th	38·9	33·7	36·4	− 3·4	1	0·08	2	− 10	*1·3*	—	*16*	*	*	*	*	*	*	*Liverpool.*
a Hawarden Bridge	*22*	*44*	*30th*	*28*	*26th*	*40·6*	*33·3*	*37·1*	− *3·1*	*1*	*0·13*	*3*	− *6*	*0·1*	—	*1*	4	28	36·0	−0·8	42·5	+0·4	*Manchester (City)*
p Manchester (Whit. Pk.)	125	42	24th	28	26th	38·9	31·6	35·4	− 3·8	3	0·18	5	− 8	*0·1*	− *0·6*	*1*	*	*	*	*	*	*	" (*Whit. Park*).
b NORTH WALES.																							
p Llandudno	71	43	24th	33	25, 29	41·0	34·4	37·8	− 3·6	1	0·17	4	− 10	2·5	+ 0·8	30	*	*	*	*	*	*	Llandudno.
a Holyhead	15	48	24th	30	30th	42·0	33·6	38·0	− 3·6	1	0·20	5	− 11	*2·1*	—	*25*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*42*	*24th*	*26*	*30th*	*38·9*	*28·4*	*33·9*	− *6·6*	*2*	*0·49*	*12*	—	*1·9*	—	*23*	*	*	36·9	−1·4	43·4	+0·3	*Bettws-y-Coed.*
														3·5	—	42	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														3·6	—	43							Aberystwyth
a Llangammarch Wells	550	42	24th	20	30th	37·9	28·1	33·2	− 4·3	1	0·24	6	—	1·9	—	23	7	15	37·4	−1·2	44·9	+1·0	Llangammarch.
a Pembroke	149	46	24th	32	30th	41·3	34·3	37·9	− 4·6	2	0·20	5	− 13	1·5	− 0·4	18							Pembroke.
p Cardiff	202	44	24th	26	30th	38·9	31·9	35·5	− 4·2	1	0·26	7	− 13	*0·6*	—	*7*	5	20	37·6	−0·3	43·4	+0·7	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	43	21th	28	30th	39·3	32·4	36·0	− 3·7	2	0·22	6	− 9	*0·9*	—	*11*	4	24					*Clifton.*
a Shaftesbury	722	41	30th	27	29, 30	36·9	29·0	33·1	− 4·6	1	0·08	2	− 13						37·0		42·8		Shaftesbury.
a Arlington	613	44	24, 26	26	30th	39·6	30·0	35·0	− 4·2	1	0·15	4	− 21										Arlington.
a Newquay	*190*	*46*	*26th*	*27*	*30th*	*41·9*	*32·6*	*37·4*	− *6·1*	*3*	*0·35*	*9*	− *8*	2·1	+ 0·2	24	5	22	40·3		45·7		Newquay.
a Cullompton	202	45	26th	24	30th	40·4	32·1	36·4	− 3·5	3	0·28	7	− 11	1·0	− 0·6	12	7	20	40·3				Cullompton.
a Portland Bill	19	44	24, 26	32	29, 30	40·9	35·4	38·3	− 3·4	3	0·20	5	—	*0·6*	—	*7*							*Weymouth.*
p Plymouth	116	46	26th	27	30th	42·1	32·4	37·4	− 4·8	3	0·16	4	− 15	1·6	− 0·2	18			38·6	−2·0			Plymouth.
a Falmouth	167	46	24, 26	30	30th	42·4	34·9	38·8	− 4·5	2	0·36	9	− 14	1·7	− 0·3	20	5	21	40·5		45·5		Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	42	29, 30	33	25, 30	39·7	34·3	37·1	− 3·8	1	0·20	5	− 10	*0·8*		*10*							*Malin Head.*
a Blacksod Point ..	?	46	25th	29	29th	41·9	33·9	38·1	− 4·4	4	0·47	12	− 15										
p Markree Castle ..	122	42	26, 27	22	30th	39·1	29·0	34·3	− 5·2	3	0·30	8	− 13	1·5	0·0	19	6	17	38·5		43·5		Markree Castle
a Birr Castle	175	46	26th	24	30th	39·9	30·9	35·6	− 4·2	3	0·32	8	− 7	*2·3*	+ *0·5*	*28*							*Birr Castle.*
b, East .. { *p* Armagh	196	42	26th	26	24th	39·3	31·4	35·5	− 4·2	1	0·11	3	− 11	1·0	− 0·6	12	4	21	38·0	−1·7	42·7	−0·4	Armagh.
a Donaghadee	101	43	24, 25	29	26th	40·9	33·1	37·2	− 3·3	1	0·01	0·3	− 14·7										
10. IRELAND, S.																	4	17	37·7	−2·0	42·6	−0·8	Trinity Coll.
														1·0	− 1·0	12	5	15					Phœnix Park.
a, East .. { *p* Dublin, City	47	42	26, 27, 30	25	25th	39·1	32·0	35·7	− 6·0	3	0·07	2	− 11				3	21					Dublin City.
a Kilkenny	212	46	26th	25	30th	40·1	30·7	35·6	− 4·6	4	0·21	5	− 14										
a Waterford	30	47	26th	30	30th	42·6	33·6	38·3	− 2·9	3	0·23	6	− 16										
a Seskin, Carrick-on-Suir	*541*	*44*	*26th*	*28*	*29th*	*41·4*	*31·0*	*36·4*	—	*3*	*0·25*	*6*	—	*2·2*	—	*26*	5	18					*Seskin.*
a Birr Castle	175	46	26th	24	30th	39·9	30·9	35·6	− 4·2	3	0·32	8	− 7	2·3	+ 0·5	28							Birr Castle.
a Foynes	50	45	24, 26	25	30th	41·6	30·9	36·5	− 5·6	4	0·55	14	− 6										
b, West .. { *a* Cahir	198	46	26th	22	30th	40·9	28·7	35·0	− 6·2	5	0·40	10	—										
a Killarney	174	46	24, 26	30	24th	43·5	34·4	39·1	− 3·3	4	0·53	13	− 22										
a Valencia	30	47	26th	28	24th	44·9	35·7	40·5	− 3·9	5	1·38	35	+ 4	0·5	− 1·3	6							Valencia.
a Roche's Point ..	32	47	24, 26	31	30th	44·1	35·3	39·9	− 3·5	4	0·43	11	− 14	2·1	—	24							Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	49	25th	36	25th	45·3	37·9	41·8	− 3·7	4	0·16	4	− 13	2·0	− 0·1	23							Scilly.
a Jersey, St. Aubins ..	25	45	24, 25	27	30th	40·6	32·9	36·9	− 5·7	0	0·00	0	− 17	2·4	0·0	27							St. Heliers.
a Guernsey (Villa Carey)	180	45	26, 30	31	30th	41·1	34·9	38·1	− 5·2	1	0·11	3	− 15	2·0	+ 0·1	23	2	22	40·9	−1·2	46·3	+0·4	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, January 30th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Total Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Total Duration.	Fresh or Moderate Winds forces 4 and 5. Total Duration.	Calms and Light Airs. Total Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
1. SCOTLAND, E.	ft.	ft.		hr.		hr.	hr.	hr.		m/s.	m/s. d. h. m.
Dyce	75	?	—	—	—	—	—	168	NW. by N.	4	28th 24h.	10 28th 23 . 50
Aberdeen*	105	37 52	—	—	—	—	8	160	WNW.	8	28th 22h.	11 28th 22 . 0
Edinburgh	39	31	—	—	—	—	7	161	S. by W.	7	30th 23h.	12 30th 18 . 30
6. SCOTLAND, W.											
Eskdalemuir	50	22	—	—	—	—	5	163	N. by E.	6	29th 11h.	12 30th 23 . 45
Paisley (Coats Obs.)	80	—	—	—	—	—	—	168	SSW.	5	30th 19h.	9 30th 22 . 20
2. ENGLAND, N.E.											
Alnwick Castle ..	70	17	—	—	—	—	—	—	—	—	— — —
South Shields ..	61	12	—	—	—	—	—	168	SE.	5	27th 21h.	12 29th 11 . 50
Spurn Head	40	—	—	—	—	—	39	129	NW.	9	29th 10h.	12 27th 7 . 30
3. ENGLAND, E.											
Gorleston	42	—	—	—	—	—	52	116	—	10	27th 21h.	13 27th 21 . 40
Shoeburyness ..	90	—	—	—	—	—	41	127	—	11	27th 7h.	14 27th 9 . 20
4. MIDLAND COUNTIES.											
Benson	84	—	—	—	—	—	25	143	N. by W.	8	24th 4h.	13 27th 11 . 50
5. ENGLAND, S.E.											
Dover	40	—	—	—	—	—	54§	81§	—	8	27th 18h.	14 27th 8 . 15
Warlingham	33	5	—	—	—	—	3	165	—	7	9th 24h.	11 30th 23 . 45
Brighton	53	6	—	—	—	—	16	152	—	8	30th 24h.	12 27th 7 . 35
Kew†	65	7 22	—	—	—	—	24	144	ENE.	8	27th 15h.	12 27th 15 . 5
South Kensington ..	92	30	—	—	—	—	—	168	ENE.	4	27th 12h.	8 27th 7 . 35
7. ENGLAND, N.W.											
Carnforth	56	23	—	—	—	—	—	168	S.	5	30th 22h.	8 30th 18 . 25
Southport	62	48	—	—	—	—	13	155	SE.	7	26th 14h.	11 26th 13 . 50
Holyhead*	40	—	—	—	—	—	35	133	SW.	10	30th 24h.	18 30th 23 . 40
8. ENGLAND, S.W.											
Pendennis Castle* ..	65	24	26, 27	3	26 to 28	54	45	66	E.	18	28th 21h.	23 28th 17 . 35
Plymouth	88	2	—	—	—	—	49	119	—	11	26th 14h.	14 27th 19 . 20
10. IRELAND, S.											
Quilty	40	—	—	—	26, 28, 30	10	125	33	—	12	26th 21h.	17 26th 21 . 20
Weaver Pt.	30	—	—	—	26, 27	34	56	78	—	17	27th 5h.	22 26th 22 . 10
11. ENGLISH CHANNEL.											
Scilly*	19	—	—	—	26, 27	37	53	78	SE.	16	26th 19h.	22 26th 17 . 25

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FOURTH WEEK—January 24th to January 30th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure
			Means of				Accumulated Number of Day-Degrees.											
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Mean for the Week at M.S.L.
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	44	19	39·8	30·3	35·2	− 3·7	0	− 8	48	+ 16	3	− 3	0·17	4	− 37	1·0	+0·1	13	1005
Eastern.																			
1. SCOTLAND, EAST ...	44	20	38·0	28·6	33·5	− 5·1	0	− 10	60	+ 24	2	− 3	0·10	2	− 13	0·9	−0·8	12	1007
2. ENGLAND, N.E.	45	23	39·8	32·8	36·5	− 2·9	0	− 10	39	+ 9	4	+ 1	0·17	4	− 5	0·5	−1·2	7	1007
3. ENGLAND, EAST ...	43	18	39·3	33·3	36·4	− 2·5	0	− 10	39	+ 5	3	− 1	0·13	3	− 7	0·6	−1·5	7	1006
4. MIDLAND COUNTIES ...	45	25	39·0	31·4	35·4	− 3·7	0	− 12	46	+ 13	1	− 3	0·07	2	− 11	0·6	−1·0	8	1007
5. ENGLAND, S.E.	46	21	39·6	32·2	36·0	− 4·3	0	− 13	42	+ 17	2	− 1	0·14	3	− 10	0·6	−1·2	7	1006
Western.																			
6. SCOTLAND, WEST ...	45	20	40·0	29·7	35·0	− 5·7	0	− 13	49	+ 26	2	− 4	0·15	4	− 24	1·3	0·0	16	1008
7. ENGLAND, N.W.	48	25	39·6	31·5	35·7	− 4·6	0	− 11	44	+ 20	1	− 3	0·16	4	− 15	2·2	+0·8	27	1007
8. ENGLAND, S.W.	46	20	40·0	32·1	36·1	− 5·8	0	− 18	41	+ 23	2	− 3	0·22	6	− 16	1·9	+0·1	22	1006
9. IRELAND, NORTH ...	46	22	40·1	32·1	36·3	− 4·8	0	− 15	40	+ 19	2	− 3	0·24	6	− 15	1·3	−0·3	15	1005
10. IRELAND, SOUTH ...	47	22	41·9	32·5	37·4	− 5·5	0	− 22	32	+ 17	4	− 1	0·46	12	− 9	1·5	−0·3	18	1004
11. ENGLISH CHANNEL ...	49	27	42·3	35·2	38·9	− 5·8	1	− 25	25	+ 19	2	− 3	0·09	2	− 15	2·1	−0·1	24	1004

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 9 Weeks, November 29th, 1914, to January 30th, 1915.

0. SCOTLAND, NORTH ...	56	18	42·3	33·2	37·9	*	26	− 47	309	+ 25	46	− 2	15·26	387	+ 82	0·7	0·0	10	995
Eastern.																			
1. SCOTLAND, EAST ...	56	7	41·6	31·7	36·8	*	25	− 44	379	+ 32	38	+ 2	8·48	215	+ 71	1·1	−0·1	17	997
2. ENGLAND, N.E.	59	23	43·7	35·4	39·7	*	63	− 17	234	− 46	46	+13	6·78	172	+ 67	1·2	−0·1	15	100
3. ENGLAND, EAST ...	58	18	44·7	36·2	40·7	*	118	+ 31	196	−126	50	+16	9·22	233	+136	1·1	−0·2	14	1003
4. MIDLAND COUNTIES ...	59	20	44·4	35·0	39·9	*	87	− 10	247	− 78	42	+ 8	9·17	233	+116	1·2	−0·1	15	1002
5. ENGLAND, S.E.	56	18	46·3	37·2	41·9	*	164	+ 33	158	− 78	46	+13	12·48	317	+190	1·3	−0·2	17	1004
Western.																			
6. SCOTLAND, WEST ...	55	19	43·5	34·7	39·3	*	55	− 50	249	+ 29	43	+ 1	11·34	288	+ 26	1·3	+0·2	17	998
7. ENGLAND, N.W.	60	21	44·5	36·3	40·6	*	93	− 13	189	− 34	42	+ 5	10·67	271	+103	1·3	+0·2	17	100
8. ENGLAND, S.W.	56	20	46·3	37·7	42·1	*	152	− 20	148	− 20	49	+10	14·02	356	+142	1·7	+0·2	21	1003
9. IRELAND, NORTH ...	56	14	44·1	35·2	39·8	*	78	− 48	232	+ 36	49	+ 5	10·47	266	+ 77	1·2	−0·1	16	997
10. IRELAND, SOUTH ...	59	17	46·0	36·1	41·2	*	125	− 74	197	+ 49	52	+10	13·14	335	+114	1·8	+0·2	24	1000
11. ENGLISH CHANNEL ...	56	27	48·9	41·5	45·4	*	266	− 4	45	− 7	54	+10	13·27	337	+154	1·6	−0·3	20	1005

THE YEAR.—Aggregates, &c., for the Period of 4 Weeks, January 3rd, 1915, to January 30th, 1915.

0. SCOTLAND, NORTH ...	52	19	42·0	33·0	37·7	*	10	− 17	142	+ 5	20	− 1	5·90	150	+ 15	0·8	0·0	12	999
Eastern.																			
1. SCOTLAND, EAST ...	53	19	41·2	31·8	36·6	*	7	− 21	167	+ 7	16	0	2·23	56	− 3	1·1	−0·2	16	1001
2. ENGLAND, N.E.	55	23	42·6	35·0	39·0	*	13	− 18	110	− 24	20	+ 6	2·36	60	+ 18	0·9	−0·4	12	1002
3. ENGLAND, EAST ..	56	18	43·0	35·3	39·3	*	29	− 4	102	− 52	22	+ 7	2·85	72	+ 32	1·1	−0·5	13	1004
4. MIDLAND COUNTIES ...	56	25	43·2	34·7	39·1	*	29	− 11	113	− 39	16	+ 1	2·65	68	+ 18	1·0	−0·4	13	1005
5. ENGLAND, S.E.	56	18	44·4	36·0	40·3	*	48	+ 1	90	− 27	17	+ 3	3·10	79	+ 27	1·4	−0·2	17	1005
Western.																			
6. SCOTLAND, WEST ...	53	20	42·9	33·9	38·6	*	16	− 24	126	+ 19	17	− 2	3·36	86	− 22	1·6	+0·5	22	1002
7. ENGLAND, N.W.	55	25	43·3	35·8	39·7	*	28	− 11	97	− 12	14	− 2	3·66	93	+ 24	1·5	+0·3	19	1005
8. ENGLAND, S.W.	53	20	44·7	37·4	41·2	*	47	− 20	71	− 13	19	+ 2	3·89	99	+ 14	1·6	0·0	20	1006
9. IRELAND, NORTH ...	53	22	43·8	35·3	39·8	*	33	− 20	103	+ 10	20	+ 1	3·45	88	+ 8	1·3	0·0	17	1003
10. IRELAND, SOUTH ...	59	22	45·5	36·7	41·3	*	46	− 36	79	+ 10	21	+ 3	3·51	90	− 3	1·9	+0·3	24	1007
11. ENGLISH CHANNEL ...	54	27	47·3	40·4	44·0	*	88	− 13	32	+ 1	22	+ 3	3·47	88	+ 17	1·8	−0·2	22	1008

W. N. SHAW, Director.
Meteorological Office, South Kensington, February 3rd, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

17

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 5. FIFTH WEEK, SUNDAY, JANUARY 31ST, TO SATURDAY, FEBRUARY 6TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks on Wind and Weather.

The weather was unsettled and rather mild. Rain fell daily over a large area in Ireland and the western districts of Great Britain, and the aggregate fall was above the normal very generally, the excess being large in most localities. At Fort William on February 1st 41 mm. fell within twenty-four hours, and at Eskdalemuir, 33 mm.; at Wilton, Salisbury, there was 29 mm. on January 31st, and again on February 5th, and at Killarney 28 mm. on February 3rd. Temperature fell to a minimum of 18° at Balmoral on February 1st, and to below 32° at most other stations either on that or the preceding day, but generally the readings were above the average; in Scotland North the excess was more than 4°, and in nearly all parts of England more than 3°. The maxima for the period occurred about the middle of the week, when readings as high as 55° or 56° were recorded in a few isolated parts of Ireland, and the north-west and north of Great Britain. The duration of bright sunshine was below the normal except in Scotland North, the mean deficit amounting to about an hour per day in the north-east of England and the east and west of Scotland. A thunderstorm was experienced at Donaghadee on February 2nd and at Blacksod Point on the night of the 3rd–4th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate
	Rainfall ...	Moderate	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Very heavy	Heavy	Heavy	Very heavy	Heavy
	Sunshine ...	Moderate	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate

THE SEASON.

WINTER, 10 weeks from Nov. 29th, 1914.	Warmth ...	2, 6, 2	1, 7, 2	4, 4, 2	6, 3, 1	4, 5, 1	7, 1, 2	2, 6, 2	4, 4, 2	1, 7, 2	3, 4, 3	0, 6, 4	3, 5, 2
	Rainfall ...	3, 5, 2	6, 2, 2	7, 2, 1	8, 1, 1	8, 1, 1	8, 1, 1	4, 3, 3	6, 3, 1	8, 1, 1	6, 3, 1	6, 3, 1	8, 1, 1
	Sunshine ...	2, 5, 3	3, 4, 3	1, 6, 3	0, 4, 6	0, 7, 3	1, 7, 2	3, 3, 4	4, 4, 2	2, 5, 3	2, 5, 3	4, 5, 1	0, 6, 4

PAST SEASONS.

WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks.	Warmth ...	6, 4, 3	7, 4, 2	7, 4, 2	9, 1, 3	7, 2, 4	7, 2, 4	4, 7, 2	8, 2, 3	7, 2, 4	7, 4, 2	7, 2, 4	6, 3, 4
	Rainfall ...	5, 6, 2	5, 4, 4	1, 5, 7	3, 1, 9	2, 3, 8	3, 5, 5	5, 4, 4	5, 2, 6	3, 5, 5	5, 2, 5	4, 3, 6	5, 1, 7
	Sunshine ...	3, 9, 1	2, 9, 2	1, 10, 2	3, 6, 4	2, 5, 6	4, 5, 4	2, 5, 6	2, 11, 0	3, 5, 5	1, 3, 9	1, 5, 7	2, 6, 5
SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 2, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Feb. 6th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	46	43	44·4	+0·5
Wick*	42	42	42·0	−1·8	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	43	40	41·4	+2·2
Ballantrae	45	40	43·0	+0·9	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	48	46	47·3	—	ENGLAND, S.E.				
Plymouth‡	47	45	45·9	−0·5	Eastbourne‡	43	41	42·3	+2·4
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	49	42	44·7	+0·1	Port Erin	46	44	45·0	+0·3

* Three days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(3958—19.) Wt. 229—611. 450. 2/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.			Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
																Grass Min.		Earth 1 ft.		Earth 4 ft.		
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration	Ground Frosts	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
											in.	mm.	mm.	hr.	hr.	%						
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°								°	°					
p Baltasound	*31*	*49*	*3rd*	*27*	*31st*	*45·5*	*37·7*	*41·6*	—	*7*	*0·90*	*23*	—	*0·9*	—	*12*	•	•	38·5	•	•	•	*Baltasound.*
a Lerwick	54	49	3rd	24	31st	45·3	38·6	42·0	+ 3·4	7	1·10	28	—	0·5	- 0·9	7	•	•	•	•	•	•	Deerness.
a Stornoway	51	52	3rd	35	1st	47·4	39·1	43·3	+ 4·3	7	1·69	43	+ 15	1·6	+ 0·1	20	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*													•	•	•	•	•	•	•	•	•	*Castlebay.*
a Wick	81	49	3rd	30	1st	45·6	37·7	41·7	+ 4·0	4	0·24	6	- 8	•	•	•	•	•	•	•	•	•	•
p Strathpeffer	200	53	3rd	27	31, 1	47·3	35·3	41·3	+ 4·3	5	0·21	5	- 13	1·7	+ 0·1	21	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500													•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	54	3rd	27	1st	48·4	37·1	42·8	+ 5·2	7	1·14	29	0	1·1	+ 0·1	14	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	54	3rd	28	31, 1	47·9	36·4	42·2	+ 3·1	7	3·30	84	+ 34	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.														0·2	—	3	2	23	34·8	+0·2	35·6	-0·8	Crathes.
p Gordon Castle	101	54	4th	31	31st	47·7	37·1	42·4	+ 4·2	1	0·18	5	- 8	*0·9*	—	*11*	•	•	•	•	•	•	*Gordon Castle.*
a Nairn	82	53	3rd	29	1st	47·8	35·6	41·8	+ 4·5	3	0·03	0·8	- 10·2	1·3	—	16	•	•	•	•	•	•	Nairn.
a Aberdeen	46	50	2nd	31	1, 2	45·7	36·4	41·1	+ 3·3	5	0·28	7	- 6	0·2	- 1·9	3	•	•	•	•	39·3	+0·4	Aberdeen.
a Balmoral	930	50	3rd	18	1st	47·1	31·6	39·4	+ 5·5	5	1·96	50	+ 33	•	•	•	3	14	•	•	•	•	Balmoral.
p Crieff	432	50	2-4	27	1st	45·4	34·3	39·9	+ 2·5	5	2·62	67	+ 45	0·5	—	6	•	•	•	•	•	•	Balruddery.
a Leith	18	55	3rd	33	31, 1	49·9	38·3	44·1	+ 5·0	3	0·24	6	- 4	•	•	•	•	•	•	•	•	•	
a West Linton	769	49	3rd	27	1st	44·7	33·4	39·1	+ 4·2	6	1·05	27	—	*0·6*	—	*7*	3	23	•	•	•	•	*West Linton.*
p Marchmont	498	50	4th	28	1st	44·7	34·6	39·7	+ 3·2	6	0·87	22	+ 9	0·8	- 1·1	10	3	22	•	•	•	•	Marchmont.
a Edinburgh	*441*	*53*	*3rd*	*32*	*1st*	*47·6*	*39·0*	*43·3*	—	*5*	*0·40*	*10*	—	1·3	—	16	5	23	•	•	•	•	Edinburgh.
6. *a*, SCOTLAND, W.														•	•	•	•	•	•	•	•	•	•
a Poltalloch	132													•	•	•	•	•	•	•	•	•	•
p Glasgow Observatory	180	51	3, 4	33	31, 1	47·0	37·9	42·5	+ 4·1	6	1·33	35	+ 17	0·2	- 0·9	2	1	26	•	•	•	•	Glasgow.
p Rothesay‡	170	48	2-4	33	31st	45·3	38·9	42·1	+ 2·7	7	2·22	56	+ 32	*0·4*	—	*5*	3	24	39·1	•	41·2	-0·6	*Rothesay.*
a Kilmarnock	90	52	3rd	26	1st	47·1	36·3	41·7	+ 2·6	6	1·55	39	—	*0·8*	—	*10*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	50	1, 3	31	1st	47·0	38·3	42·7	+ 4·0	7	2·15	55	+ 30	•	•	•	1	29	•	•	•	•	•
a Dumfries	160	51	4th	31	1st	46·4	35·9	41·2	+ 2·8	7	1·75	44	+ 25	*0·6*	—	*7*	2	25	36·9	•	39·1	•	*Dumfries.*
Eskdalemuir	*799*	*49*	*3rd*	*20*	*1st*	*43·6*	*32·0*	*37·8*	—	*7*	*3·35*	*85*	—	*0·1*	—	*1*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	59	5th	29	1st	47·3	36·9	42·1	+ 3·9	6	2·48	63	+ 38	•	•	•	•	•	•	•	•	•	•
b. I. OF MAN. *p* Douglas	277	50	3, 4	36	31, 1	46·9	39·6	43·3	+ 2·9	7	1·47	37	+ 17	1·1	- 0·9	13	2	30	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	219	52	3rd	31	1st	46·1	36·7	41·4	+ 3·4	5	0·91	23	+ 11	1·0	—	12	2	23	38·1	+3·9	39·5	+0·9	Cockle Park.
a Tynemouth	71	51	2nd	32	1st	47·9	37·6	42·8	+ 4·3	5	0·79	20	+ 11	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	51	4th	30	1st	48·0	36·1	42·1	+ 4·8	5	0·87	22	+ 13	0·8	- 1·1	10	2	24	•	•	•	•	Durham.
a, North *p* Rounton	249	51	2-4	28	1st	47·3	37·0	42·2	+ 5·3	6	0·76	19	+ 9	•	•	•	3	23	37·4	•	•	•	Rounton.
a West Witton	*605*	*51*	*3rd*	*30*	*31, 1*	*46·1*	*36·4*	*41·3*	—	*7*	*1·65*	*42*	—	•	•	•	2	25	37·2	•	38·9	•	*West Witton.*
p Scarborough	100	51	2nd	31	1st	46·9	38·4	42·7	+ 4·2	3	0·46	12	1	0·8	—	9	•	•	•	•	42·0†	•	Scarborough.
p York	56	52	2, 4	30	1st	47·4	37·6	42·5	+ 4·4	5	0·94	24	+ 14	0·4	- 1·1	5	•	•	39·3	+2·5	41·9	+1·3	York.
a Spurn Head	26	47	2-4	32	1st	44·7	36·6	40·7	+ 2·0	4	0·47	12	+ 5	*1·0*	—	*12*	•	•	•	•	•	•	*Spurn Head.*
b, South *a* Lincoln	58	52	2-4	31	1st	48·9	36·9	42·9	+ 5·5	5	0·50	13	+ 4	•	•	•	•	•	38·6	+2·9	41·3	+1·6	Lincoln.
a Fulbeck	180	51	2-4	31	1st	47·9	36·7	42·3	+ 4·5	5	0·44	11	+ 1	1·0	—	12	5	23	39·8	+2·9	42·9	+1·1	Rauceby.
														1·8	—	21	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	53	5th	32	1st	45·7	36·6	41·2	+ 4·3	5	0·45	11	—	1·9	—	22	•	•	•	•	•	•	Cromer.
p Little Massingham	280	52	5th	30	1st	46·6	36·1	41·4	+ 4·1	5	0·67	17	+ 6	1·5	- 0·4	17	3	26	•	•	•	•	Lit. Massingham.
a, North *a* Yarmouth	17	48	2nd	33	31, 1	44·1	36·0	40·1	+ 2·6	4	0·63	16	+ 7	1·3	—	15	•	•	37·9	+1·8	43·0	+1·7	Yarmouth.
a Norwich	93	50	5th	33	31, 1, 2	46·1	36·4	41·3	+ 4·0	5	0·56	14	—	*1·6*	—	*18*	5	27	37·7	•	•	•	*Norwich.*
a Geldeston	37	50	5th	33	1, 2	47·3	36·9	42·1	+ 4·0	5	0·64	16	+ 7	1·7	- 0·4	20	•	•	•	•	•	•	Geldeston.
p Cambridge	41	52	3, 5	32	1st	49·0	38·3	43·7	+ 5·8	4	0·30	8	0	2·0	0·0	23	2	25	40·2	+3·9	42·8	+1·5	Cambridge.
b, South *a* Clacton-on-Sea	54	45	2, 5	34	31st	43·9	38·0	41·0	+ 2·6	5	0·35	9	—	2·0	—	23	0	32	39·5	+1·2	42·9	-0·1	Clacton.
a Rothamsted	424	50	3rd	32	1st	37·3	31·0	42·2	+ 4·9	5	0·86	22	+ 10	1·4	- 0·5	16	4	24	38·7	•	•	•	Rothamsted.
p Tottenham	51	52	3rd	37	31, 1	47·6	40·9	44·3	+ 5·5	5	0·58	15	—	1·0	—	11	•	•	•	•	43·2	+0·8	Tottenham.
4. MIDLAND COUNTIES.																							
a North *a* Harrogate	479	51	3rd	30	1st	46·4	35·3	40·9	+ 4·2	6	1·24	31	+ 18	0·3	—	3	2	22	38·5	+1·7	39·7	+0·5	Harrogate.
p Buxton	*987*	*48*	*2, 4*	*32*	*31, 1*	*44·3*	*36·4*	*40·4*	+ *5·1*	*6*	*1·86*	*47*	+ *21*	*0·8*	—	*9*	3	27	35·7	0·0	39·2	-1·8	*Buxton.*
a Bawtry	65	52	3rd	30	31st	48·4	37·3	42·9	+ 5·3	5	0·67	17	+ 7	0·6	—	7	1	28	38·8	+2·9	41·3	+0·8	Sheffield.
a Nottingham	82	52	2-4	31	1st	49·1	36·4	42·8	+ 5·1	5	0·87	22	+ 12	0·5	- 1·1	6	3	21	39·3	—	41·1	—	Worksop.
b, East *a* Birmingham, Edgbsn.	535	50	2-4	32	1st	46·9	38·3	42·6	+ 4·9	6	1·03	26	+ 15	1·4	—	16	2	29	40·6	+2·5	43·9	+0·5	Birmingham.
a Raunds	203	53	4th	29	1st	48·7	34·9	41·8	+ 4·6	2	0·57	14	—	*1·5*	—	*17*	5	21	40·1	•	44·5	•	*Raunds.*
p Oxford	208	51	2-4	34	1st	48·6	40·0	44·3	+ 5·6	4	0·94	24	+ 14	1·5	- 0·4	17	1	24	•	•	•	•	Oxford.
a Cheadle	646	49	2, 3	32	31, 1	46·7	36·3	41·5	+ 4·6	6	0·78	20	+ 7	•	•	•	3	28	•	•	•	•	Cheadle.
p Shrewsbury	191	53	4, 6	30	1st	49·9	38·4	44·2	+ 5·6	7	0·55	14	—	•	•	•	3	24	•	•	•	•	Shrewsbury.
c, West *a* Hereford§	291	51	1, 5	29	31st	48·4	37·6	43·0	+ 4·5	6	1·15	29	+ 16	*1·2*	—	*14*	3	25	39·1	•	41·0	•	*Malvern.*§
a Cirencester	446	49	2, 3	28	1st	46·6	35·4	41·0	+ 3·5	6	1·09	28	+ 15	1·3	- 0·6	15	1	27	39·7	•	42·0	•	Cirencester.
a Bath	66	53	3rd	29	31st	50·6	38·3	44·5	+ 4·9	6	1·10	28	+ 15	1·8	- 0·1	21	•	•	40·5	+1·7	42·9	-0·4	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	50	3rd	29	1st	47·7	37·3	42·5	+ 5·0	6	1·33	34	+ 20	2·1	—	23	2	26	40·1	+2·3	43·5	+0·6	Worthing.
a Margate	53	51	5th	33	2nd	46·9	38·3	42·6	+ 3·5	4	0·37	9	0	0·7	—	8	2	21	41·9	•	46·6	•	Marlborough.
a Wisley, Surrey	150	52	3rd	32	31st	48·3	38·7	43·5	+ 4·1	5	1·12	28	—	2·0	+ 0·1	22	0	34	40·0	+1·9	42·5	+1·4	Margate.
v Salisbury (Wilton)	180	50	31, 2-4	32	1st	48·0	33·6	44·3	+ 6·0	7	3·03	77	+ 62	1·4	—	16	2	23	39·9	+3·0	41·9	+0·4	Wisley.
a Tunbridge Wells	354	50	3rd	32	31st	47·4	38·4	42·9	+ 5·1	5	0·81	21	+ 7	•	•	•	1	26	40·6	•	•	•	Salisbury.
														1·3	- 0·5	15	1	30	39·9	+3·5	41·9	•	Tunbridge Wells.
a Dungeness	21	48	2, 3, 5, 6	30	31st	46·6	39·3	43·0	+ 3·6	5	1·14	29	+ 19	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	49	5th	34	31st	46·3	40·4	43·4	+ 3·7	5	0·52	13	0	1·8	—	20	1	30	39·4	•	42·8	•	Hastings.
p Southampton	64	51	3rd	34	1st	48·3	41·0	44·7	+ 4·4	6	1·32	34	+ 20	1·3	- 0·8	15	1	23	•	•	•	•	Southampton.
a Ventnor	59	52	3rd	35	31st	48·6	40·6	44·6	+ 3·2	4	0·94	24	+ 10	2·2	- 0·1	24	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	52	3rd	36	31st	48·2	41·0	44·6	+ 5·6	4	0·65	16	+ 7	1·4	- 0·2	16	2	27	39·6	+2·9	42·8	+0·4	Kew.
a Westminster	*27*	*52*	*3-5*	?	?	*49·8*	?	?	?	*4*	*0·79*	*20*	+ *11*	*0·8*	- *0·1*	*9*	1	31	•	•	•	•	*Westminster.*
a Greenwich	*155*	*52*	*4, 5*	*35*	*31, 1*	*48·9*	*39·3*	*44·1*	+ *5·3*	*5*	*0·61*	*15*	+ *6*	*1·6*	- *0·1*	*18*	3	29	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*50*	*3, 5*	*30*	*1st*	*47·6*	*35·4*	*41·5*	—	*4*	*0·65*	*17*	—	*1·3*	—	*15*	2	18	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*52*	*3, 4*	*34*	*1st*	*49·3*	*39·4*	*44·4*	—	*5*	*0·65*	*17*	—	*0·8*	—	*9*	1	27	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.														1·2	—	14	•	•	•	•	•	•	Hoylake.
p Aspatria	250	52	3, 4	30	1st	47·0	36·4	41·7	+ 4·0	7	1·83	46	+ 31	0·9	—	11	1	28	38·7	•	42·0	•	Aspatria.
p Newton Rigg	559	53	4th	30	1st	45·7	35·8	40·8	+ 4·2	7	2·04	52	+ 33	0·5	- 1·2	6	3	23	37·9	+1·1	39·5	-0·3	Newton Rigg.
p Stonyhurst	375	51	3rd	30	1st	46·4	37·9	42·2	+ 4·3	7	2·07	53	+ 31	0·5	- 1·1	6	4	19	•	•	•	•	Stonyhurst
p Blackpool	66	54	4th	33	31, 1	48·0	39·7	43·9	+ 5·3	7	1·44	37	+ 23	0·9	- 0·8	10	1	29	39·7	•	43·0	•	Blackpool.
a Southport	*37*	*52*	*2, 3*	*32*	*31st*	*49·7*	*38·4*	*44·1*	+ *5·2*	*7*	*1·22*	*31*	+ *17*	*1·0*	- *0·7*	*12*	1	25	38·3	+3·0	39·5	+0·2	*Southport.*
a Liverpool (Bidston)	188	52	2, 3	34	31st	49·3	38·6	44·0	+ 4·3	7	0·98	25	+ 13	*1·4*	—	*16*	•	•	•	•	•	•	*Liverpool.*
a Hawarden Bridge	*22*	*56*	*3rd*	*31*	*31st*	*51·9*	*39·0*	*45·5*	+ *5·4*	*7*	*1·27*	*32*	—	*0·4*	—	*5*	1	29	38·7	+2·6	41·5	•	*Manchester (City)*
p Manchester (Whit. Pk.)	125	52	2-4	32	1st	49·0	39·9	44·5	+ 5·3	6	0·90	23	+ 11	*0·8*	*0·0*	*9*	•	•	•	•	•	•	" (*Whit. Park*)
b NORTH WALES.																							
p Llandudno	71	56	2, 3	39	31, 1	51·0	41·6	46·3	+ 5·0	7	1·24	31	+ 17	2·3	+ 0·3	27	•	•	•	•	•	•	Llandudno
a Holyhead	15	51	3rd	33	31st	48·4	40·0	44·2	+ 2·7	5	1·26	32	+ 16	*1·7*	- -	*20*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*55*	*4th*	*33*	*1st*	*49·6*	*38·0*	*43·8*	+ *3·4*	*7*	*1·98*	*50*	—	?	?	?	•	•	40·1	+2·3	42·6	+0·1	*Bettws-y-Coed.*
														1·9	—	22	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						Stations reporting Sunshine and Temperature on the Grass and in the Ground.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.				No. of Rain-Days.	Rainfall in the week.						Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge					Daily Mean.	Difference from Average.	Percentage of possible duration.	Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														2·3	—	26							
a Llangammarch Wells	550	51	3rd	23	31st	46·8	34·0	40·4	+ 2·6	7	2·18	55	—	0·6	—	7	3	22	39·7	+1·6	44·0	+0·6	Aberystwyth Llangammarch,
a Pembroke	149	50	3rd	33	31st	47·4	41·3	44·4	+ 2·1	6	1·02	26	+ 8	1·1	- 1·0	12							Pembroke.
p Cardiff	202	51	3rd	32	1st	48·0	38·6	43·3	+ 3·7	6	1·02	26	+ 7	*1·5*	—	*17*	2	26	39·3	+1·2	42·4	+0·3	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	52	3rd	31	31st	49·7	39·0	44·4	+ 4·7	6	1·16	29	+ 14	*2·0*	—	*23*	2	27	*	*	*	*	*Clifton.*
a Shaftesbury	722	49	3rd	32	31, 1	46·1	36·0	41·1	+ 3·3	7	1·24	31	+ 16	*	*	*	*	*	39·4	—	42·0	—	Shaftesbury.
a Arlington	613	51	3rd	28	31st	47·3	35·6	41·5	+ 2·3	7	1·86	47	+ 22	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*53*	*3rd*	*30*	*31st*	*48·9*	*39 1*	*44·0*	+ *0·7*	*7*	*1·99*	*51*	+ *34*	1·3	- 0·8	14	0	31	42·0	*	44·5	*	Newquay.
a Cullompton	202	52	3rd	27	31st	48·4	36·4	42·9	+ 3·0	7	1·57	40	+ 22	1·5	- 0·4	17	3	23	41·4	*	*	*	Cullompton.
a Portland Bill	19	49	2nd	35	31st	47·6	41·9	44·8	+ 3·2	6	0·59	15	—	*1·8*	—	*20*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	51	3, 4	34	1st	49·4	40·7	45·1	+ 3·1	7	2·18	56	+ 38	1·8	- 0·3	20	*	*	41·8	+1·6	*	*	Plymouth.
a Falmouth	167	53	3rd	34	31st	49·3	40·6	45·0	+ 1·9	7	2·07	52	+ 29	1·5	- 0·7	17	0	31	42·8	*	44·8	*	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	54	3rd	35	31, 6	47·9	38·3	43·1	+ 2·3	3	0·28	7	- 7	*1·0*	*	*12*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	52	1st	32	31st	47·9	38·4	43·2	+ 0·7	7	2·01	51	+ 26	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	55	3rd	32	31, 1	49·7	34·9	42·3	+ 2·8	6	1·16	29	+ 9	1·5	- 0·2	17	2	28	40·1	*	43·1	*	Markree Castle.
a Birr Castle	175	53	1, 3	26	31st	48·9	36·1	42·5	+ 2·6	6	0·95	24	+ 10	*2·1*	+ *0·1*	*24*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	54	3rd	33	31, 3	49·6	35·4	42·5	+ 2·8	6	0·67	17	+ 3	1·3	- 0·5	15	0	31	39·7	+0·2	42·1	-0·8	Armagh.
a Donaghadee	101	50	1, 3	32	31st	46·9	37·1	42·0	+ 1·6	6	1·02	26	+ 11	*	*	*	*	*	*	*	*	*	*
10. IRELAND, S.																	0	31	40·5	+0·6	42·1	-1·0	Trinity Coll.
														2·1	- 0·1	24	4	27	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	56	3rd	34	31st	50·3	38·6	44·5	+ 2·7	5	0·99	25	+ 12	*	*	*	0	32	*	*	*	*	Dublin City.
a Kilkenny	212	52	1st	32	1st	48·4	37·1	42·8	+ 2·4	7	1·62	41	+ 23	*	*	*	*	*	*	*	*	*	*
a Waterford	30	52	3rd	31	31st	48·0	39·0	43·5	+ 2·3	6	1·58	40	+ 18	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*52*	*2nd*	*33*	*31st*	*47·3*	*37·4*	*42·4*	—	*6*	*2·25*	*57*	—	*1·8*	—	*21*	0	31	*	*	*	*	*Seskin.*
b West .. { *a* Birr Castle	175	53	1, 3	26	31st	48·9	36·1	42·5	+ 2·6	6	0·95	24	+ 10	2·1	+ 0·1	24	*	*	*	*	*	*	Birr Castle.
a Foynes	50	54	3rd	30	31st	50·0	37·7	43·9	+ 1·9	7	1·22	31	+ 11	*	*	*	*	*	*	*	*	*	*
a Cahir	199	51	1, 3	25	31st	48·6	34·1	41·4	+ 0·3	7	1·81	46	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	54	3rd	36	31st	50·7	40·1	45·4	+ 3·0	7	3·61	92	+ 58	*	*	*	*	*	*	*	*	*	*
a Valencia	30	53	3rd	37	3rd	49·9	41·3	45·6	+ 1·3	7	2·95	75	+ 43	1·4	- 0·7	16	*	*	*	*	*	*	Valencia.
a Roche's Point	32	51	3rd	34	31st	48·6	40·7	44·7	+ 1·4	7	2·28	58	+ 33	1·1	—	12	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	53	3rd	38	3rd	49·9	42·4	46·2	+ 0·9	7	0·95	24	+ 7	1·5	- 0·9	17	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	53	3rd	28	31st	50·4	40·4	45·4	+ 2·8	5	1·18	30	+ 13	2·7	0·0	30	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	52	5th	31	31st	49·3	40·9	45·1	+ 1·7	5	1·27	32	+ 15	1·6	- 0·7	18	2	26	42·5	+1·0	45·2	-0·2	Guernsey †

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, February 6th, 1915.

District and Station.	Height.		Distribution of Wind						Extreme Velocities.					
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	Highest Hourly Wind.			Highest Gust with Date and Time.		
			Dates of Occurrence.	Total Duration.	Dates of Occurrence.	Total Duration	Total Duration.	Total Duration.	Direction and Velocity.		Date and Hour.			
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.			m/s.	d. h. m.
1. SCOTLAND, E.														
Dyce	75	?	—	—	3, 4	2	94	72	SSE.	11	4th	3h.	23	6th 7 . 10
Aberdeen*	105	37	} 6th	4	3 to 6	33	60	71	SE.	18	6th	13h.	28	6th 9 . 35
		52												
Edinburgh	39	31	1, 3, 4	10	1 to 4	24	71	63	S. by W.	19	1st	23h.	34	3rd 20 . 15
6. SCOTLAND, W.														
Eskdalemuir	50	22	3rd	6	1 to 6	49	55	58	S.	20	3rd	21h.	30	3rd 20 . 50
Paisley (Coats Obs.)	80	—	3rd	2§	1, 3, 4	25§	51§	85§	SSW.	17	3rd	22h.	33	3rd 19 . 55
2. ENGLAND, N.E.														
Alnwick Castle ..	70	17	—	—	3 to 6	16	53	99	S. by W.	13	3rd	24h.	22	3rd 23 . 50
South Shields ..	61	12	—	—	3 to 6	30	58	80	SE.	17	6th	12h.	23	6th 12 . 20
Spurn Head	40	—	—	—	2 to 4, 6	30	107	31	SE.	14	6th	10h.	19	2nd 22 . 50
3. ENGLAND, E.														
Gorleston	42	—	—	—	1 to 4, 6	32	100	36	—	14	2nd	4h.	20	2nd 19 . 55
Shoeburyness ..	90	—	—	—	31, 2, 3, 5, 6	13	117	38	—	14	2nd	18h.	21	2nd 23 . 0
4. MIDLAND COUNTIES.														
Benson	84	—	—	—	2 to 6	27	105	36	S. by E.	13	5th	22h.	22	2nd 17 . 40
5. ENGLAND, S.E.														
Dover	40	—	—	—	31, 2, 3, 6	32	89	47	—	16	2nd	15h.	29	2nd 21 . 35
Warlingham	33	5	—	—	2, 3	8	94	66	—	12	2nd	18h.	23	2nd 18 . 45
Brighton	53	6	—	—	2, 6	7	112	49	—	13	6th	3h.	24	2nd 13 . 40
Kew†	65	7	} —	—	—	—	67§	96§	SW.	11	2nd	18h.	25	2nd 18 . 18
		22												
South Kensington ..	92	30	—	—	—	—	11	157	S.W.	7	2nd	22h.	12	2nd 20 . 20
7. ENGLAND, N.W.														
Carnforth	56	23	—	—	—	—	48	120	SS.E.	10	1st	23h.	17	4th 3 . 15
Southport	62	48	—	—	31, 2 to 6	31	84	53	WSW.	16	31st	15h.	25	31st 15 . 30
Holyhead*	40	—	31, 3, 5	7	31 to 5	68	61	32	W.NW.	19	31st	17h.	28	3rd 21 . 55
8. ENGLAND, S.W.														
Pendennis Castle* ..	65	24	2 to 6	41	31 to 6	56	44	27	SSW.	24	3rd	14h.	34	2nd 16 . 15
Plymouth	88	2	5th	4	2 to 6	46	57	61	—	21	5th	17h.	26	5th 17 . 30
10. IRELAND, S.														
Quilty	40	—	5th	3	31 to 6	73	79	13	—	21	5th	11h.	29	5th 10 . 40
Weaver Pt.	30	—	—	—	—	—	—	—	—	—	—	—	—	—
11. ENGLISH CHANNEL.														
Scilly*	19	—	2, 3, 5, 6	14	31, 2, 3, 5, 6	60	69	25	WNW.	23	6th	8h.	31	6th 7 . 30

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

§ The total duration in the different columns makes up 163 hours if the record is complete. The difference between the total and 163 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FIFTH WEEK—January 31st to February 6th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)		Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	27	47·0	37·4	42·2	+ 4·3	21	+ 14	13	− 24	6	0	1·28	33	− 3	1·2	+0·1	16	996
Eastern.																			
1. SCOTLAND, EAST ...	55	18	46·6	35·2	40·9	+ 3·1	13	+ 4	27	− 14	4	0	0·90	23	+ 9	0·7	−1·3	9	998
2. ENGLAND, N.E. ...	52	28	47·2	37·1	42·2	+ 3·0	22	+ 12	14	− 17	5	0	0·68	17	+ 8	1·0	−1·1	11	1004
3. ENGLAND, EAST ...	53	30	46·4	37·4	41·9	+ 3·0	12	+ 2	19	− 15	5	+ 1	0·56	14	+ 4	1·6	−0·8	18	1008
4. MIDLAND COUNTIES ...	53	28	48·2	37·1	42·7	+ 3·6	25	+ 13	14	− 20	5	+ 1	0·91	23	+ 10	1·0	−0·9	11	1006
5. ENGLAND, S.E.	52	29	47·7	39·5	43·6	+ 3·2	22	+ 8	7	− 18	5	0	1·12	29	+ 16	1·6	−0·4	18	1009
Western.																			
6. SCOTLAND, WEST ...	52	26	46·7	37·7	42·2	+ 2·3	19	+ 7	12	− 15	7	+ 3	1·86	47	+ 21	0·7	−1·0	8	1000
7. ENGLAND, N.W.	56	30	48·1	38·8	43·6	+ 3·6	25	+ 14	9	− 16	7	+ 2	1·47	37	+ 19	1·2	−0·4	14	1001
8. ENGLAND, S.W.	53	23	48·1	38·4	43·3	+ 1·7	24	+ 7	10	− 10	7	+ 2	1·49	38	+ 17	1·4	−0·6	16	1005
9. IRELAND, NORTH ...	55	26	48·5	36·7	42·6	+ 1·9	26	+ 12	15	− 8	6	+ 1	1·02	26	+ 6	1·4	−0·3	16	994
10. IRELAND, SOUTH ...	56	25	49·3	38·3	43·8	+ 1·4	28	+ 7	10	− 7	7	+ 3	1·89	48	+ 27	1·7	−0·3	19	998
11. ENGLISH CHANNEL ...	53	28	49·9	41·2	45·6	+ 1·2	29	+ 5	2	− 6	6	+ 1	1·13	29	+ 12	1·9	−0·5	21	1007

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 10 Weeks, November 29th, 1914, to February 6th, 1915.

0. SCOTLAND, NORTH ...	56	18	42·7	33·6	38·4	*	47	− 33	322	+ 1	52	− 2	16·54	420	+ 79	0·7	−0·1	11	996
Eastern.																			
1. SCOTLAND, EAST ...	56	7	42·1	32·1	37·2	*	38	− 40	406	+ 18	42	+ 2	9·38	238	+ 80	1·1	−0·1	16	997
2. ENGLAND, N.E.	59	23	44·1	35·6	40·0	*	85	− 5	248	− 63	51	+13	7·46	189	+ 75	1·1	−0·3	15	1000
3. ENGLAND, EAST ...	58	18	45·0	36·3	40·8	*	130	+ 33	215	−141	55	+17	9·78	247	+140	1·2	−0·2	15	1003
4. MIDLAND COUNTIES ...	59	20	44·8	35·2	40·2	*	112	+ 3	261	− 98	47	+ 9	10·08	256	+126	1·1	−0·2	15	1003
5. ENGLAND, S.E.	56	18	46·5	37·5	42·1	*	186	+ 41	165	− 96	51	+13	13·60	346	+206	1·3	−0·3	17	1004
Western.																			
6. SCOTLAND, WEST ...	55	19	43·8	35·0	39·6	*	74	− 43	261	+ 14	50	+ 4	13·20	335	+ 47	1·2	+0·1	16	998
7. ENGLAND, N.W.	60	21	44·8	36·5	40·9	*	118	+ 1	198	− 50	49	+ 7	12·14	308	+122	1·3	+0·1	17	1000
8. ENGLAND, S.W.	56	20	46·5	37·8	42·3	*	176	− 13	158	− 30	56	+12	15·51	394	+159	1·6	0·0	20	1003
9. IRELAND, NORTH ...	56	14	44·5	35·4	40·1	*	104	− 36	247	+ 28	55	+ 6	11·49	292	+ 83	1·2	−0·1	16	996
10. IRELAND, SOUTH ...	59	17	46·3	36·3	41·5	*	153	− 67	207	+ 42	59	+13	15·03	383	+141	1·8	+0·2	23	1000
11. ENGLISH CHANNEL ...	56	27	49·0	41·5	45·4	*	295	+ 1	47	− 13	60	+11	14·40	366	+166	1·6	−0·4	20	1005

THE YEAR.—Aggregates, &c., for the Period of 5 Weeks, January 3rd, 1915, to February 30th, 1915.

0. SCOTLAND, NORTH ...	54	19	43·0	33·9	38·6	*	31	− 3	155	− 19	26	− 1	7·18	183	+ 12	0·9	0·0	13	999
Eastern.																			
1. SCOTLAND, EAST ...	55	18	42·2	32·4	37·5	*	20	− 17	194	− 7	20	0	3·13	79	+ 6	1·0	−0·4	14	1000
2. ENGLAND, N.E.	55	23	43·5	35·4	39·6	*	35	− 6	124	− 41	25	+ 6	3·04	77	+ 26	0·9	−0·5	12	1002
3. ENGLAND, EAST ...	56	18	43·7	35·7	39·8	*	41	− 2	121	− 67	27	+ 8	3·41	86	+ 36	1·2	−0·6	14	1004
4. MIDLAND COUNTIES ...	56	25	44·2	35·2	39·8	*	54	+ 2	127	− 59	21	+ 2	3·56	91	+ 28	1·0	−0·5	13	1005
5. ENGLAND, S.E.	56	18	45·0	36·7	41·0	*	70	+ 9	97	− 45	22	+ 3	4·22	108	+ 43	1·4	−0·2	17	1006
Western.																			
6. SCOTLAND, WEST ...	53	20	43·7	34·7	39·3	*	35	− 17	138	+ 4	24	+ 1	5·22	133	− 1	1·4	+0·2	19	1002
7. ENGLAND, N.W.	56	25	44·3	36·4	40·5	*	53	+ 3	106	− 28	21	0	5·13	130	+ 43	1·4	+0·1	18	1004
8. ENGLAND, S.W.	53	20	45·4	37 6	41·6	*	71	− 13	81	− 23	26	+ 4	5·38	137	+ 31	1·6	−0·1	19	1006
9. IRELAND, NORTH ...	55	22	44·8	35·6	40·3	*	59	− 8	118	+ 2	26	+ 2	4·47	114	+ 14	1·3	−0·1	17	1001
10. IRELAND, SOUTH ...	59	22	46·2	37·0	41·8	*	74	− 29	89	+ 3	28	+ 6	5·40	138	+ 24	1·8	+0·1	23	1005
11. ENGLISH CHANNEL ...	54	27	47·8	40·5	44·3	*	117	− 8	34	− 5	28	+ 4	4·60	117	+ 29	1·8	−0·3	22	1008

W. N. SHAW, Director.
Meteorological Office, South Kensington, February 10th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 6. SIXTH WEEK, SUNDAY, FEBRUARY 7TH, TO SATURDAY, FEBRUARY 13TH, 1915.

Price 6d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks on Wind and Weather.

The weather was generally changeable and inclement, temperature being about normal except in Ireland, where it was cold for the time of year. Sharp night frosts occurred in most districts between the 11th and 13th; on the surface of the grass the thermometer fell to a minimum of 13° at Hampstead and 17° at Fulbeck, Cambridge, and Llangammarch Wells. A large excess of rainfall was reported over the entire southern half of the Kingdom, and a decided excess in all other districts excepting Scotland N., where the amount was slightly below the average. In the earlier half of the week snow fell in most of the northern districts, and showers of hail or sleet in many other localities. At Crathes the snowfall of the 7th yielded, when melted, as much as 49 mm. of water. On the 12th and 13th snow or sleet was experienced at several places in England and the south of Scotland, and on the latter day more than 25 mm. of rain was measured at many stations in Southern England (as much as 33 mm. at Dungeness). Thunderstorms occurred at Bournemouth, Falmouth and Scilly on the 8th, at Aberdovey on the 9th, at Blacksod and Scilly on the 10th, and at Jersey on the 11th, and an aurora was seen at Fort Augustus on the 8th. Thick fog prevailed in many parts of England during the earlier hours of the 11th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ... Warmth ...	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient
Rainfall ...	Moderate	Heavy	Very heavy	Heavy	Heavy	Very heavy	Heavy	Heavy	Very heavy	Heavy	Very heavy	Very heavy
Sunshine ...	Scanty	Very scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate

THE SEASON.

WINTER. 11 weeks from Nov. 29th, 1914. Warmth ...	3, 6, 2	1, 8, 2	4, 5, 2	6, 4, 1	4, 6, 1	7, 2, 2	2, 7, 2	4, 5, 2	1, 8, 2	3, 4, 4	0, 6, 5	3, 5, 3
Rainfall ...	3, 6, 2	7, 2, 2	8, 2, 1	9, 1, 1	9, 1, 1	9, 1, 1	5, 3, 3	7, 3, 1	9, 1, 1	7, 3, 1	7, 3, 1	9, 1, 1
Sunshine ...	2, 5, 4	3, 4, 4	1, 6, 4	0, 5, 6	0, 8, 3	1, 8, 2	3, 4, 4	4, 5, 2	2, 6, 3	2, 6, 3	4, 5, 2	0, 7, 4

PAST SEASONS.

WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. Warmth ...	6, 4, 3	7, 4, 2	7, 4, 2	9, 1, 3	7, 2, 4	7, 2, 4	4, 7, 2	8, 2, 3	7, 2, 4	7, 4, 2	7, 2, 4	6, 3, 4
Rainfall ...	5, 6, 2	5, 4, 4	1, 5, 7	3, 1, 9	2, 3, 8	3, 5, 5	5, 4, 4	5, 2, 6	3, 5, 5	5, ?, 5	4, 3, 6	5, 1, 7
Sunshine ...	3, 9, 1	2, 9, 2	1, 10, 2	3, 6, 4	2, 5, 6	4, 5, 4	2, 5, 6	2, 11, 0	3, 5, 5	1, 3, 9	1, 5, 7	2, 6, 5
SPRING, 1914. Mar. 1st–May 30th. 13 weeks. Warmth ...	3, ?, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, ?, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 3, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, ?, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. Warmth ...	4, 6, 3	4, 7, 2	6, ?, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Feb. 13th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	42	42	42·0	−0·2	IRELAND, S.W. Cleggan	46	42	44·9	+1·0
Wick	—	—	—	—	ENGLAND, N.E. Burnmouth, Berwick	43	41	42·3	+3·2
SCOTLAND, W. Ballantrae	44	40	42·5	+0·1	ENGLAND, E. Shipwash Lightship	—	—	—	—
ENGLAND, S.W. Scilly	48	46	46·9	—	ENGLAND, S.E. Eastbourne‡	44	43	43·6	+4·3
Plymouth‡	46	45	45·8	−0·4	ENGLAND, N.W. Port Erin	47	43	45·1	+0·6
IRELAND, N.W. Sheephaven	46	41	43·3	−1·3					

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4047—19.) Wt. 229—611. 450. 2/15. D & F. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°			in.	mm.	mm.	hr.	hr.	%	°	°	°		°		
0. SCOTLAND, N.																							
p Baltasound	*31*	*43*	*9th*	*33*	*7–9*	*41·0*	*36·3*	*38·7*	—	*6*	*0·78*	*20*	—	*0·8*	—	*10*	•	•	38·2	•	•	•	*Baltasound.*
a Islands .. *a* Lerwick ..	54	44	9th	33	8, 9	41·3	35·9	38·6	+ 0·4	7	1·58	40	—	0·9	- 0·8	11	•	•	•	•	•	•	Deerness.
a Stornoway	51	44	11th	33	11, 13	41·7	35·3	38·5	- 0·5	4	0·55	14	- 13	2·0	+ 0·2	24	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*													•	•	•	•	•	•	•	•	•	*Castlebay.*
b Main-land. *a* Wick	81	43	9, 10	33	9th	41·3	36·6	39·0	+ 1·4	7	1·38	35	+ 21	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	42	7, 11	28	13th	40·6	31·6	36·1	- 1·0	5	0·90	23	+ 6	0·2	— 1·7	2	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500									6	0·73	19	- 29	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	42	7, 10, 11	32	9, 13	40·9	34·7	37·8	+ 0·1	6	0·72	18	- 9	0·5	- 0·7	6	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	44	11th	29	11, 12	40·9	33·0	37·0	- 2·1	5	1·17	30	- 17	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
p Gordon Castle	101	44	10th	31	11th	40·0	33·0	36·5	- 1·7	7	1·25	32	+ 19	0·1	—	1	2	25	35·6	+0·9	37·0	-0·4	Crathes.
a Nairn	82	43	9th	28	9th	39·4	31·7	35·6	- 1·8	6	0·67	17	+ 6	*0·6*	—	*7*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen	46	44	9th	35	7–9	41·6	36·3	39·0	+ 1·1	7	1·81	46	+ 32	0·6	—	7	•	•	•	•	•	•	Nairn.
a Balmoral	930	44	10th	26	13th	40·7	30·4	35·6	+ 1·6	7	1·26	32	+ 15	0·2	- 2·1	2	•	•	•	•	39·8	+1·1	Aberdeen.
p Crieff	432	41	11th	29	13th	38·1	31·6	31·9	- 2·8	7	1·71	43	+ 21	•	•	•	•	•	•	•	•	•	Balmoral.
														0·5	—	6	•	•	•	•	•	•	Balruddery.
a Leith	18	44	9, 10	31	13th	41·3	35·1	38·2	- 0·9	6	0·83	21	+ 11	•	•	•	•	•	•	•	•	•	
a West Linton	769	40	11th	26	13th	36·9	30·3	33·6	- 1·3	6	0·97	25	—	*0·9*	—	*10*	5	22	•	•	•	•	*West Linton.*
p Marchmont	498	42	9, 10	27	13th	39·6	30·4	35·0	- 1·8	7	0·85	22	+ 9	1·0	- 1·1	11	3	24	•	•	•	•	Marchmont.
a Edinburgh	*441*	*42*	*9th*	*28*	13th	*39·3*	*33·1*	*36·2*	—	*6*	*0·81*	*21*	—	1·5	—	17	7	18	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	42	9–11	30	13th	40·7	34·0	37·4	- 1·1	7	0·86	22	+ 5	1·1	- 0·2	13	2	28	•	•	•	•	Glasgow.
p Rothesay‡	170	43	9th	31	12th	40·6	33·9	37·3	- 2·2	5	1·34	34	+ 11	*1·4*	—	*16*	5	25	38·4	•	42·0	+0·4	*Rothesay.*
a Kilmarnock	90	43	9, 11	29	12th	41·0	32·4	36·7	- 2·2	5	0·83	21	—	*1·5*	—	*17*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	45	9, 11	29	12, 13	42·3	32·9	37·6	- 0·9	5	1·85	47	+ 24	•	•	•	4	23	•	•	•	•	
a Dumfries	160	44	9th	31	13th	41·6	33·6	37·6	- 1·0	7	2·04	52	+ 33	*1·0*	—	*11*	5	26	37·3	•	40·0	•	*Dumfries.*
Eskdalemuir	*799*	*41*	*9th*	*25*	*13th*	*37·7*	*31·1*	*34·4*	—	*5*	*1·10*	*28*	—	*1·3*	—	*15*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	45	11th	30	12th	41·9	33·3	37·6	- 0·8	4	1·36	35	+ 10	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas	277	44	7, 10, 11	33	12th	42·9	36·3	39·6	- 0·7	6	1·02	26	+ 6	2·5	+ 0·3	28	1	27	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	44	9th	29	13th	41·3	33·9	37·6	- 0·4	6	1·69	43	+ 31	0·9	—	10	4	24	36·8	+1·3	40·4	+2·2	Cockle Park.
a Tynemouth	71	44	7, 9	33	13th	41·7	35·1	38·4	- 0·4	4	1·06	27	+ 18	•	•	•	•	•	•	•	•	•	*Tynemouth.*
a North .. *p* Durham	336	46	10th	32	8, 9, 12	41·0	34·3	37·7	+ 0·4	6	1·06	27	+ 19	0·8	- 1·3	9	5	25	•	•	•	•	Durham.
p Rounton	249	44	8, 9	28	13th	41·4	34·0	37·7	+ 0·6	6	0·85	22	+ 12	•	•	•	6	24	38·1	•	•	•	Rounton.
a West Witton	*605*	*42*	*9th*	*26*	*13th*	*39·7*	*32·0*	*35·9*	—	*7*	*1·82*	*46*	—	•	•	•	4	24	37·9	•	39·2	•	*West Witton.*
p Scarborough	100	43	9, 10	33	10th	41·6	34·4	38·0	- 0·7	7	0·91	23	+ 12	0·9	—	10	•	•	•	•	42·0†	•	Scarborough.
p York	56	47	9th	30	11, 13	42·4	33·7	38·1	- 0·2	6	0·93	24	+ 14	*0·9*	- 0·8	10	•	•	39·9	+2·9	42·0	+1·8	York.
b, South .. *a* Spurn Head	26	44	7, 9, 10	33	13th	42·4	35·4	38·9	0·0	5	1·06	27	+ 20	*1·9*	—	*21*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	47	7th	27	13th	42·9	31·9	37·4	- 0·5	4	0·93	24	+ 15	•	•	•	•	•	38·3	+2·8	41·9	+2·6	Lincoln.
a Fulbeck	180	47	7, 10	28	13th	42·9	32·1	37·5	- 0·7	4	1·18	30	+ 20	2·4	—	26	6	17	40·0	+2·3	43·0	+1·4	Ranceby.
														3·1	—	34	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	50	10th	31	12, 13	44·6	33·7	39·2	+ 2·2	5	0·66	17	—	2·7	—	30	•	•	•	•	•	•	Cromer.
p Little Massingham	280	46	10th	28	12, 13	42·8	32·1	37·4	- 0·2	4	0·87	22	+ 11	2·3	0·0	24	5	22	•	•	•	•	Lit. Massingham
a, North .. *a* Yarmouth	17	46	7, 8	32	11–13	43·7	33·9	38·8	+ 1·2	4	0·75	19	+ 10	1·8	—	20	•	•	39·0	+2·0	43·0	+2·0	Yarmouth.
a Norwich	93	47	7, 10	28	12th	44·4	33·3	38·9	+ 1·4	5	0·81	21	—	2·2	—	*24*	4	23	38·4	•	•	•	*Norwich.*
a Geldeston	37	50	10th	30	12, 13	45·7	34·0	39·9	+ 1·4	5	0·76	19	+ 10	1·9	- 0·4	21	•	•	•	•	•	•	Geldeston.
p Cambridge	41	49	8, 10	25	12, 13	46·1	31·3	38·7	+ 0·4	4	0·79	20	+ 12	2·7	+ 0·4	30	5	17	40·1	+1·7	43·3	+2·4	Cambridge.
b, South .. *a* Clacton-on-Sea	54	47	8th	33	13th	44·0	36·6	40·3	+ 1·8	5	0·78	20	—	2·6	—	28	2	20	40·9	+2·3	43·6	+0·8	Clacton.
a Rothamsted	424	48	7th	27	11–13	43·9	32·1	38·0	+ 0·4	6	1·31	33	+ 22	2·8	+ 0·7	30	5	20	38·9	•	•	•	Rothamsted.
p Tottenham	51	50	7th	29	13th	?45·7	35·3	40·5	+ 1·5	5	0·96	24	—	1·2	—	13	•	•	•	•	43·9	+1·7	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	42	7, 9, 10	24	13th	40·1	31·7	35·9	- 1·1	6	1·08	27	+ 14	0·5	—	6	5	21	38·8	+1·7	40·7	+1·7	Harrogate.
p Buxton	*987*	*43*	*8th*	*26*	*13th*	*39·6*	*30·4*	*35·0*	- *0·5*	*4*	*1·43*	*36*	+ *11*	*0·8*	—	*9*	5	23	36·4	+0·5	39·4	-1·2	*Buxton.*
														1·2	—	13	3	22	38·6	+2·4	41·4	+1·4	Sheffield.
a Bawtry	65	47	10th	25	13th	42·7	31·6	37·2	- 1·0	3	0·80	20	+ 10	0·9	- 0·9	10	5	18	38·3	•	41·8	•	Worksop.
a Nottingham	82	48	7, 10	26	11–13	43·3	31·6	37·5	- 0·5	5	0·79	20	+ 10	1·5	—	16	5	24	37·5	+1·9	40·6	+2·4	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	46	7, 8, 10	29	12th	43·0	33·0	38·0	0·0	4	1·29	33	+ 22	3·0	—	34	4	21	40·0	+1·5	44·0	+1·0	Birmingham.
a Raunds	203	50	10th	25	11, 12	45·9	30·7	38·3	+ 0·6	3	1·05	27	—	*3·1*	—	*34*	5	18	41·0	•	44·1	•	*Raunds.*
p Oxford	208	49	7th	28	11, 12	45·9	33·6	39·8	+ 0·8	5	1·17	30	+ 20	3·6	+ 1·5	39	4	20	•	•	•	•	Oxford.
a Cheadle	646	45	7th	26	12th	41·3	31·1	36·2	- 0·9	4	1·18	30	+ 17	•	•	•	5	25	•	•	•	•	Cheadle.
p Shrewsbury	191	48	13th	22	12th	46·3	32·4	39·4	+ 0·3	5	0·93	24	—	•	•	•	4	21	•	•	•	•	Shrewsbury.
c, West .. *a* Hereford§	291	48	7th	23	12th	43·4	30·4	36·9	- 2·0	6	1·54	39	+ 26	*3·8*	—	*42*	4	21	38·7	•	42·0	•	*Malvern.*§
a Cirencester	446	48	7th	26	12th	43·9	29·6	36·8	- 0·9	5	1·53	39	+ 26	3·7	+ 1·5	41	4	24	40·1	•	42·6	•	Cirencester.
a Bath	66	52	7th	26	12, 13	46·3	31·7	39·0	- 1·0	5	1·65	42	+ 29	3·2	—	31	•	•	40·7	+1·8	43·6	+0·7	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	49	7th	24	12th	44·0	30·7	37·4	- 0·5	5	2·29	58	+ 44	3·1	—	33	3	25	41·4	+3·1	44·0	+1·4	Worthing.
a Margate	53	49	7, 10, 13	33	12th	46·7	36·9	41·8	+ 2·4	5	0·92	23	+ 14	2·6	+ 0·7	28	4	19	41·9	•	46·4	•	Margate.
a Wisley, Surrey	150	49	7th	25	13th	45·9	34·0	39·5	- 0·1	6	1·74	44	—	2·0	- 0·2	22	3	26	41·1	+2·7	43·2	+2·4	Margate.
p Salisbury (Wilton)	180	50	7th	26	13th	45·0	31·7	38·4	- 0·2	7	2·75	70	+ 55	2·5	—	27	3	19	40·0	+2·8	42·8	+1·6	Wisley.
a Tunbridge Wells	354	49	7, 10	30	13th	46·6	35·3	41·0	+ 2·8	6	2·32	59	+ 45	•	•	•	4	24	40·3	•	•	•	Salisbury.
														2·6	+ 0·5	28	3	23	40·8	+4·2	42·6	•	Tunbridge Wells
a Dungeness	21	48	7th	30	11th	45·7	37·1	41·4	+ 1·9	6	1·77	45	+ 35	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	49	10, 13	33	13th	46·4	36·9	41·7	+ 1·9	6	1·52	39	+ 26	2·8	—	30	3	25	41·5	•	43·2	•	Hastings.
‡ Southampton	64	49	7, 8	28	11th	47·4	34·0	40·7	0·0	5	1·95	50	+ 37	3·0	+ 0·7	32	5	18	•	•	•	•	Southampton.
a Ventnor	59	52	10th	36	12, 13	47·6	39·0	43·3	+ 1·7	5	1·75	44	+ 31	3·4	+ 0·9	36	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	50	7, 8	25	13th	46·4	33·6	40·0	+ 0·7	6	1·26	32	+ 23	2·5	+ 0·7	27	4	23	40·3	+3·3	43·3	+1·3	Kew.
a Westminster	*27*	*51*	*7th*	*29*	*11th*	*47·3*	*35·5*	*41·4*	+ *2·1*	*5*	*1·06*	*27*	+ *17*	*2·3*	+ *1·3*	*25*	3	28	•	•	•	•	*Westminster.*
a Greenwich	*155*	*50*	*7, 9*	*29*	*13th*	*46·9*	*34·6*	*40·8*	+ *1·8*	*5*	*1·19*	*30*	+ *21*	*3·1*	+ *1·3*	*33*	4	22	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*48*	*7th*	*28*	*13th*	*44·6*	*33·3*	*39·0*	—	*5*	*0·89*	*25*	—	*1·8*	—	*19*	5	13	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*50*	*7th*	*28*	*12th*	*46·4*	*34·3*	*40·4*	—	*5*	*1·08*	*27*	—	*1·6*	—	*17*	4	24	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	45	10th	31	11, 13	41·6	33·0	37·3	- 0·4	4	0·64	16	+ 1	3·6	—	40	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	43	11th	29	11, 13	40·3	31·7	36·0	- 0·6	6	1·43	36	+ 17	1·7	—	19	2	27	39·2	•	42·2	•	Aspatria.
p Stonyhurst	375	45	7th	30	12, 13	41·9	33·7	37·8	- 0·2	4	0·94	24	+ 3	1·3	- 0·6	15	6	22	38·3	+1·5	39·9	+0·5	Newton Rigg.
p Blackpool	66	45	10th	31	12th	43·1	34·9	39·0	+ 0·3	3	0·52	13	- 1	2·0	+ 0·2	22	6	21	•	•	•	•	Stonyhurst.
a Southport	*37*	*47*	*10th*	*31*	*11, 13*	*43·4*	*34·6*	*39·0*	+ *0·1*	*5*	*0·46*	*12*	- *2*	*2·1*	+ *0·2*	*23*	4	27	40·0	•	43·3	•	Blackpool.
a Liverpool (Bidston)	188	46	10th	31	13th	43·3	34·6	39·0	- 0·4	4	0·41	12	+ 1	*2·2*	—	*24*	3	24	37·9	+2·2	40·7	+1·8	*Southport.*
a Hawarden Bridge	*22*	*49*	*10th*	*29*	*12th*	*44·9*	*34·3*	*39·6*	- *0·5*	*4*	*0·90*	*23*	+ *14*	*3·5*	—	*39*	•	•	•	•	•	•	Liverpool.
p Manchester (Whit. Pk.)	125	48	7th	32	12, 13	44·6	35·0	39·8	+ 0·5	4	0·63	16	+ 4	*1·1*	—	*12*	2	30	39·1	+3·0	42·1	+0·9	*Manchester (City)*
														1·9	+ *0·9*	*21*	•	•	•	•	•	•	" (Whit. Park)
b NORTH WALES.																							
p Llandudno	71	49	10th	34	12th	45·0	37·1	41·1	- 0·2	5	1·04	26	+ 13	3·9	+ 1·7	43	•	•	•	•	•	•	Llandudno.
a Holyhead	15	49	11th	33	12th	45·3	37·0	41·2	- 0·2	5	1·30	33	+ 17	*3·0*	—	*33*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*47*	*7th*	*27*	*13th*	*42·9*	*33·1*	*38·0*	- *2·4*	*6*	*1·97*	*50*	—	*2·8*	—	*31*	•	•	39·4	+1·3	43·3	+1·1	*Bettws-y-Coed.*
														2·3	—	25	•	•	•	•	•	•	Aberdovey.

† At 3 ft § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Difference from average.	Earth 4 ft. Mean.	Difference from average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	°		in.	mm.	mm	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														2·9	—	32							
a Llangammarch Wells	550	50	7th	24	12th	42·9	31·6	37·3	− 0·7	6	2·90	74	—	1·7	—	19	4	17	39·5	+1·1	43·9	+0·9	Llangammarch.
a Pembroke	149	48	7th	33	11, 12	44·1	37·1	40·6	− 1·5	7	2·95	75	+ 58	1·8	− 0·6	19							Pembroke.
p Cardiff	202	49	7, 13	29	12th	45·4	34·4	39·9	+ 0·2	7	1·49	38	+ 19	*2·8*	—	*30*	3	23	40·1	+1·5	43·0	+1·0	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	51	7th	29	12th	44·9	34·0	39·5	− 0·5	5	1·41	36	+ 21	*2·9*	—	*31*	3	27					*Clifton.*
a Shaftesbury	722	48	7th	27	13th	43·7	32·9	38·3	+ 0·2	6	1·79	45	+ 30						39·9		42·5		Shaftesbury.
a Arlington	613	50	7th	29	12th	44·0	32·7	38·4	− 0·8	7	3·14	80	+ 56										Arlington.
a Newquay	*190*	*51*	*7th*	*31*	*12, 13*	*46·0*	*35·6*	*40·8*	− *2·5*	7	*2·39*	*61*	+ *44*	2·0	− 0·4	21	1	26	42·5		44·8		Newquay.
a Cullompton	202	51	7th	31	12th	46·1	34·7	40·4	+ 0·2	7	2·74	70	+ 53	2·2	+ 0·1	24	7	26	42·3				Cullompton.
a Portland Bill	19	48	7, 11	36	12th	46·4	40·3	43·4	+ 1·9	6	1·73	44	—	*2·8*	—	*30*							*Weymouth.*
p Plymouth	116	50	7th	35	12th	48·3	38·6	43·5	+ 1·5	6	2·07	53	+ 36	2·2	− 0·1	24			42·8	+2·4			Plymouth.
a Falmouth	167	51	7th	32	12, 13	47·4	36·7	42·1	− 1·0	6	3·08	78	+ 55	2·7	+ 0·2	29	2	23	43·0		45·0		Falmouth.
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	44	11th	31	11th	41·0	33·7	37·4	− 3·4	3	0·59	15	+ 1	*3·0*		*34*							*Malin Head.*
a Blacksod Point ..	?	48	7th	34	9, 12, 13	43·0	35·1	39·1	− 3·4	6	0·75	19	− 5										
p Markree Castle ..	122	47	7th	23	12th	39·6	28·7	34·2	− 5·6	6	2·08	53	+ 33	1·2	− 0·7	13	5	23	38·1		42·8		Markree Castle.
a Birr Castle	175	50	7th	28	12th	40·9	31·0	36·0	− 4·0	6	2·28	58	+ 44	*1·6*	− *0·5*	*18*							*Birr Castle.*
b, East .. *p* Armagh	196	46	7th	30	12th	42·3	32·4	37·4	− 2·4	7	0·87	22	+ 9	2·1	+ 0·1	23	6	21	39·3	− 0·4	42·4	− 0·2	Armagh.
a Donaghadee	101	45	7th	31	9th	42·6	34·1	38·4	− 2·1	4	1·10	28	+ 14				5	24	39·7	− 0·7	42·7	− 0·3	Trinity Coll.
10. IRELAND, S.														1·4	− 1·0	15	7	22					Phœnix Park.
a, East .. *p* Dublin, City	47	49	7th	32	10th	43·3	31·3	38·8	− 3·3	7	1·46	37	+ 24				1	30					Dublin City.
a Kilkenny	212	50	7th	31	8, 11	42·6	32·3	37·5	− 3·1	7	1·40	36	+ 19										
a Waterford	30	50	7th	31	12th	44·3	33·7	39·0	− 2·3	6	1·44	37	+ 15										
a Seskin, Carrick-on-Suir	*541*	*48*	*7th*	*30*	*11, 12*	*42·9*	*32·7*	*37·5*	—	*7*	*1·71*	*43*	—	*2·6*	—	*29*							*Seskin.*
b, West .. *a* Birr Castle	175	50	7th	28	12th	40·9	31·0	36·0	− 4·0	6	2·28	58	+ 44	1·6	− 0·5	18							Birr Castle.
a Foynes	50	51	7th	29	13th	43·1	34·7	38·9	− 3·4	6	1·80	46	+ 26										
a Cahir	199	50	7th	30	12th	43·1	33·0	38·1	− 3·1	7	1·73	44	—										
a Killarney	174	52	7th	29	12th	44·6	34·4	39·5	− 3·0	7	2·73	69	+ 36										
a Valencia	30	52	7th	33	9th	45·3	36·1	40·7	− 3·6	7	2·72	69	+ 38	1·8	− 0·5	20							Valencia.
a Roche's Point	32	49	7th	31	13th	44·4	35·4	39·9	− 3·4	6	1·66	43	+ 19										Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	51	7th	37	9, 10	47·3	39·4	43·4	− 1·8	7	1·69	43	+ 26	2·2	− 0·5	23							Scilly.
a Jersey, St. Aubins ..	25	51	7th	32	12th	47·6	38·7	43·2	+ 0·6	6	2·68	68	+ 52	3·9	+ 0·9	41							St. Heliers.
a Guernsey (Villa Carey)	180	50	7th	34	13th	46·9	38·0	42·5	− 0·9	7	2·30	58	+ 41	3·4	+ 1·1	36	1	25	43·3	+1·7	45·5	+0·6	Guernsey †

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, February 13th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Total Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Total Duration.	Fresh or Moderate Winds forces 4 and 5. Total Duration.	Calms and Light Airs. Total Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
1. SCOTLAND, E.	ft.	ft.		hr.		hr.	hr.	hr.		m/s.		m/s. d. h. m.
Dyce	75	?	—	—	7th	8	57	103	SE.	14	7th 18h.	24 7th 18 . 35
Aberdeen*	105	37 / 52	7th	5	7, 8, 13	31	62	70	SE.	18	7th 16h.	28 7th 18 . 40
Edinburgh	39	31	—	—	—	—	64	104	SE.	10	7th 17h.	17 7th 11 . 20
6. SCOTLAND, W.												
Eskdalemuir	50	22	—	—	7, 9, 13	18	59	91	SE.	13	7th 18h.	21 7th 17 . 50
Paisley (Coats Obs.)	80	—	—	—	—	—	34§	128§	SE.	9	7th 16h.	20 13th 16 . 20
2. ENGLAND, N.E.												
Alnwick Castle ..	70	17	—	—	7th	10	44	114	SE.	15	7th 17h.	23 7th 19 . 0
South Shields ..	61	12	7th	2	7, 9, 13	29	53	84	SSE.	18	7th 17h.	25 7th 17 . 25
Spurn Head	40	—	—	—	—	—	—	—	—	—	— —	— — —
3. ENGLAND, E.												
Gorleston	42	—	9th	1	7 to 9, 13	37	52	78	—	18	9th 10h.	22 9th 10 . 0
Shoeburyness ..	90	—	13th	1	7 to 9, 13	35	43	89	—	18	13th 20h.	24 13th 20 . 20
4. MIDLAND COUNTIES.												
Benson	84	—	—	—	7 to 9, 13	20§	62§	80§	SS.E.	14	9th 4h.	21 13th 16 . 5
5. ENGLAND, S.E.												
Dover	40	—	—	—	—	—	—	—	—	—	— —	— — —
Warlingham	33	5	—	—	7 to 9, 13	20	54	94	—	14	13th 20h.	27 13th 19 . 5
Brighton	53	6	—	—	9, 10, 13	26	50	92	—	17	13th 19h.	30 13th 18 . 40
Kew†	65	7 / 22	—	—	—	—	49	119	SSW.	10	13th 17h.	23 13th 18 . 50
South Kensington ..	92	30				Instrument out of order.					— —	
7. ENGLAND, N.W.												
Carnforth	56	23	—	—	—	—	42	126	E.	11	13th 14h.	19 13th 19 . 5
Southport	62	48	—	—	7 to 9, 13	38	58	72	ENE.	17	13th 16h.	25 13th 15 . 50
Holyhead*	40	—	13th	5	7 to 9, 13	40	77	46	SE.	20	13th 14h.	27 13th 15 . 25
8. ENGLAND, S.W.												
Pendennis Castle* ..	65	24	7, 8, 13	22§	7 to 9, 11 to 13	53§	49§	40§	SW.	28	13th 10h.	35 13th 12 . 35
Plymouth	88	2	13th	3	7 to 9, 11, 13	27	71	67	—	20	13th 11h.	28 13th 10 . 10
10. IRELAND, S.												
Quilty	40	—	—	—	7 to 9, 13	32	90	46	—	16	7th 7h.	24 7th 6 . 50
Weaver Pt.	30	—	13th	4	7, 13	21	73	70	—	20	13th 7h.	28 13th 6 . 55
11. ENGLISH CHANNEL.												
Scilly*	19	—	13th	17	7 to 9, 13	50	47	54	WNW.	27	13th 14 h.	35 13th 14 . 25

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

SIXTH WEEK—February 7th to February 13th, 1915.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	44	28	41·1	34·5	37·8	+ 0·6	0	− 6	29	− 13	6	+ 1	1·00	26	− 5	0·9	−0·7	11	998
Eastern.																			
1. SCOTLAND, EAST ...	44	26	39·7	32·4	36·1	− 0·8	0	− 8	41	− 5	7	+ 3	1·17	30	+ 16	0·7	−1·8	7	996
2. ENGLAND, N.E.	47	27	42·0	33·9	37·9	− 0·8	0	− 10	29	− 5	5	+ 2	1·07	27	+ 17	1·5	−1·0	17	997
3. ENGLAND, EAST ...	50	25	44·5	33·6	39·1	+ 0·7	7	− 4	32	− 6	5	+ 1	0·86	22	+ 13	2·2	−0·3	25	999
4. MIDLAND COUNTIES ...	52	22	43·8	31·6	37·7	− 0·9	5	− 7	38	+ 1	5	+ 1	1·18	30	+ 18	2·2	0·0	24	996
5. ENGLAND, S.E.	52	24	46·2	34·8	40·5	+ 0·5	12	− 2	28	0	6	+ 3	1·83	46	+ 33	2·7	+0·5	29	999
Western.																			
6. SCOTLAND, WEST ...	45	29	41·6	33·8	37·7	− 0·9	0	− 10	30	− 2	6	+ 1	1·33	34	+ 9	1 8	−0·2	20	995
7. ENGLAND, N.W.	49	29	43·1	34·6	38·9	− 0·7	3	− 8	27	− 1	4	0	0·87	22	+ 6	2·4	+0·4	27	993
8. ENGLAND, S.W.	51	24	45·3	35·3	40·3	− 0·9	9	− 7	26	+ 3	6	+ 2	2·33	59	+ 40	2·2	−0·1	24	994
9. IRELAND, NORTH ...	50	23	41·6	32·5	37·1	− 3·3	0	− 14	34	+ 9	5	0	1·28	33	+ 15	1·7	−0·4	18	991
10. IRELAND, SOUTH ...	52	28	43·5	33·9	38·7	− 3·4	4	− 16	29	+ 10	7	+ 2	1·92	49	+ 29	1·6	−0·7	18	992
11. ENGLISH CHANNEL ...	51	32	47·3	38·7	43·0	− 1·0	9	− 15	21	+ 11	7	+ 3	2·22	56	+ 40	3·2	+0·4	34	997

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 11 Weeks, November 29th, 1914, to February 13th, 1915.

0. SCOTLAND, NORTH ..	56	18	42·6	33·7	38·3	*	47	− 39	351	− 12	58	− 1	17·69	449	+ 77	0·7	−0·1	11	996
Eastern.																			
1. SCOTLAND, EAST ..	56	7	41·9	32·1	37·1	*	38	− 48	417	+ 13	49	+ 5	10·55	268	+ 96	1·1	−0·2	15	997
2. ENGLAND, N.E.	59	23	43·9	35·4	39·8	*	85	− 15	277	− 68	56	+15	8·53	216	+ 92	1·2	−0·3	15	1000
3. ENGLAND, EAST ...	58	18	44·9	36·1	40·6	*	137	+ 29	247	−147	60	+18	10·64	269	+153	1·3	−0·2	16	1003
4. MIDLAND COUNTIES ...	59	20	44·7	34·9	40·0	*	117	− 4	299	− 97	52	+10	11·26	286	+144	1·2	−0·2	16	1002
5. ENGLAND, S.E.	56	18	46·4	37·2	42·0	*	198	+ 39	193	− 96	57	+16	15·43	392	+239	1·5	−0·1	18	1004
Western.																			
6. SCOTLAND, WEST ...	55	19	43·6	34·9	39·4	*	74	− 53	291	+ 12	56	+ 5	14·53	369	+ 56	1·2	0·0	16	998
7. ENGLAND, N.W.	60	21	44·7	36·3	40·7	*	121	− 7	225	− 51	53	+ 7	14·01	330	+128	1·4	+0·2	18	999
8. ENGLAND, S.W.	56	20	46·3	37·6	42·1	*	185	− 20	184	− 27	62	+14	17·84	453	+199	1·7	0·0	21	1002
9. IRELAND, NORTH ...	56	14	44·3	35·1	39·8	*	104	− 50	281	+ 37	60	+ 6	12·77	325	+ 98	1·3	−0·1	16	996
10. IRELAND, SOUTH ...	59	17	46·1	36·1	41·2	*	157	− 83	236	+ 52	66	+15	16·95	432	+170	1·8	+0·1	22	999
11. ENGLISH CHANNEL ...	56	27	48·9	41·2	45·2	*	304	− 14	68	− 2	67	+14	16·62	422	+206	1·8	−0·3	21	1004

THE YEAR.—Aggregates, &c., for the Period of 6 Weeks, January 3rd, 1915, to February 13th, 1915.

0. SCOTLAND, NORTH ...	54	19	42·7	34·0	38·5	*	31	− 9	184	− 32	32	0	8·33	212	+ 10	0·9	−0·1	12	999
Eastern.																			
1. SCOTLAND, EAST ...	55	18	41·8	32·4	37·3	*	20	− 25	235	− 12	27	+ 3	4·30	109	+ 22	1·0	−0·6	13	999
2. ENGLAND, N.E.	55	23	43·3	35·1	39·3	*	35	− 16	153	− 46	30	+ 8	4·11	104	+ 43	1·0	−0·6	13	1001
3. ENGLAND, EAST ..	56	18	43·8	35·4	39·7	*	48	− 6	153	− 73	32	+ 9	4·27	108	+ 49	1·3	−0·6	16	1004
4. MIDLAND COUNTIES ...	56	22	44·1	34·6	39·5	*	59	− 5	165	− 58	26	+ 3	4·74	121	+ 46	1·2	−0·4	15	1004
5. ENGLAND, S.E.	56	18	45·2	36·4	40·9	*	82	+ 7	125	− 45	28	+ 6	6·05	154	+ 76	1·7	0·0	20	1005
Western.																			
6. SCOTLAND, WEST ...	53	20	43·3	34·5	39·0	*	35	− 27	168	+ 2	30	+ 2	6·55	167	+ 8	1·4	0·0	19	1001
7. ENGLAND, N.W.	56	25	44·1	36·1	40·2	*	56	− 5	133	− 29	25	0	6·00	152	+ 49	1·6	+0·2	20	1002
8. ENGLAND, S.W.	53	20	45·4	37·2	41·4	*	80	− 20	107	− 20	32	+ 6	7·71	196	+ 71	1·7	−0·1	20	1004
9. IRELAND, NORTH ...	55	22	44·2	35·1	39·8	*	59	− 22	152	+ 11	31	+ 2	5·75	147	+ 29	1·4	−0·1	17	999
10. IRELAND, SOUTH ...	59	22	45·8	36·5	41·3	*	78	− 45	118	+ 13	35	+ 8	7·32	187	+ 53	1·8	0·0	22	1003
11. ENGLISH CHANNEL ...	54	27	47·7	40·2	44·1	*	126	− 23	55	+ 6	35	+ 7	6·82	173	+ 69	2·1	−0·1	24	1006

W. N. SHAW, Director.
Meteorological Office, South Kensington, February 17th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 7. SEVENTH WEEK, SUNDAY, FEBRUARY 14TH, TO SATURDAY, FEBRUARY 20TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks.

The weather was again of a very unsettled character. Rain fell on most days, but there were, nevertheless, several very bright periods, and a considerable amount of sunshine. On the 16th heavy rain fell over a large area in the west and south-west. Many stations recorded more than 30 mm., while at Torquay the value was 43 mm. and at Falmouth and Colmonell 45 mm. At Crathes 25 mm. of rain on the 16th was followed by 36 mm. on the 17th, and much flooding occurred in the neighbourhood. Thunder was heard at Douglas on the 16th, and thunderstorms passed over several Irish and Scottish stations on the 17th. On the 19th local thunderstorms were reported in Norfolk. The mean temperature was above the average in nearly all parts of Great Britain, but below it in Ireland. The lowest minima occurred on the 15th or 16th, when the thermometer fell to 14° at Balmoral and to 21° at Cirencester. The highest of the maxima followed on the 17th or 18th, but no value much above 50° was registered. A glazed frost was experienced at Norwich early on the 16th. A rather fine sun pillar, of a golden colour, was observed at Benson, near Wallingford, on the morning of the 15th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ... Warmth ...	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate
Comparison with average for the time of year ... Rainfall ...	Moderate	Heavy	Heavy	Very heavy	Heavy	Very heavy	Heavy	Heavy	Very heavy	Heavy	Heavy	Very heavy
Comparison with average for the time of year ... Sunshine ...	Abundant	Moderate	Moderate	Scanty	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate

THE SEASON.

WINTER, 12 weeks from Nov. 29th, 1914. Warmth ...	4, 6, 2	1, 9, 2	4, 6, 2	7, 4, 1	4, 7, 1	7, 3, 2	2, 8, 2	4, 6, 2	1, 9, 2	3, 5, 4	0, 6, 6	3, 6, 3
WINTER, 12 weeks from Nov. 29th, 1914. Rainfall ...	3, 7, 2	8, 2, 2	9, 2, 1	10, 1, 1	10, 1, 1	10, 1, 1	6, 3, 3	8, 3, 1'	10, 1, 1	8, 3, 1	8, 3, 1	10, 1, 1
WINTER, 12 weeks from Nov. 29th, 1914. Sunshine ...	3, 5, 4	3, 5, 4	1, 7, 4	0, 5, 7	0, 9, 3	1, 9, 2	4, 4, 4	5, 5, 2	2, 7, 3	3, 6, 3	5, 5, 2	0, 8, 4

PAST SEASONS.

WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. Warmth ...	6, 4, 3	7, 4, 2	7, 4, 2	9, 1, 3	7, 2, 4	7, 2, 4	4, 7, 2	8, 2, 3	7, 2, 4	7, 4, 2	7, 2, 4	6, 3, 4
WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. Rainfall ...	5, 6, 2	5, 4, 4	1, 5, 7	3, 1, 9	2, 3, 8	3, 5, 5	5, 4, 4	5, 2, 6	3, 5, 5	5, 3, 5	4, 3, 6	5, 1, 7
WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks. Sunshine ...	3, 9, 1	2, 9, 2	1, 10, 2	3, 6, 4	2, 5, 6	4, 5, 4	2, 5, 6	2, 11, 0	3, 5, 5	1, 3, 9	1, 5, 7	2, 6, 5
SPRING, 1914. Mar. 1st–May 30th. 13 weeks. Warmth ...	3, 9, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
SPRING, 1914. Mar. 1st–May 30th. 13 weeks. Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
SPRING, 1914. Mar. 1st–May 30th. 13 weeks. Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Feb. 20th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	47	43	44·7	+0·5
Wick*	43	42	42·8	−0·7	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	43	40	41·8	+2·6
Ballantrae	44	40	41·6	−1·2	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	48	46	47·1	—	ENGLAND, S.E.				
Plymouth‡	47	45	45·8	−0·4	Eastbourne‡	44	42	43·1	+3·4
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	44	41	43·2	−1·4	Port Erin	—	—	—	—

* Four days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4098—19.) Wt. 229—611. 450. 2/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.										Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration	Ground Frosts	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
0. SCOTLAND, N.	Ft.	°		°		°	°				in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
p Baltasound	*31*	*43*	*14, 17, 19*	*29*	*17th*	*42·0*	*34·3*	*38·2*	—	7	*1·20*	*30*	—	*1·2*	—	*14*	•	•					*Baltasound.*
a Islands .. *a* Lerwick ..	54	46	20th	32	16, 17	42·9	34·7	38·8	+ 0·8	6	1·06	27	—	3·7	+ 1·8	42	•	•					Deerness.
a Stornoway	51	44	14, 18, 19	30	16th	42·9	34·1	38·5	- 0·4	7	1·61	41	+ 15	2·5	+ 0·4	28	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd. ..	*37*	*46*	*17th*	*37*	*15-17*	*44·4*	*38·3*	*41·4*	+ *0·4*	5	*1·02*	*26*	—	*2·7*	—	*30*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	44	20th	27	16th	41·7	32·3	37·0	- 0·5	3	0·59	15	+ 1	•	•	•	•	•	•	•	•	•	
b, Main- *p* Strathpeffer ..	200	46	18th	26	16th	42·1	32·1	37·1	- 0·1	3	0·30	8	- 9	2·9	+ 0·8	32	•	•	•	•	•	•	Strathpeffer.
land. *p* Glencarron ..	500													•	•	•	•	•	•	•	•	•	
p Fort Augustus..	68	49	18th	29	19th	43·6	33·9	38·8	+ 0·8	4	0·20	5	- 21	2·2	+ 0·8	24	•	•	•	•	•	•	
p Fort William ..	171	46	18th	31	15th	42·6	34·9	38·8	- 0·3	4	0·71	18	- 28	•	•	•	•	•	•	•	•	•	Fort Augustus,
1. SCOTLAND, E.																							
p Gordon Castle ..	101	47	20th	28	16th	43·1	31·9	37·5	- 0·8	5	0·78	20	+ 7	2·9	—	32	6	23	35·2	-0·1	37·2	0·0	Crathes.
a Nairn	82	46	18th	25	17th	42·0	29·1	35·6	- 1·8	6	0·12	3	- 8	*3·4*	—	*37*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen ..	46	47	20th	31	16, 17, 20	43·6	33·4	38·5	+ 0·6	4	1·30	33	+ 20	3·0	—	33	•	•	•	•	•	•	Nairn.
a Balmoral ..	930	45	19th	14	16th	40·6	24·6	32·6	- 1·4	4	1·23	31	+ 14	3·4	+ 0·9	37	•	•	•	•	39·9	+1·2	Aberdeen.
p Crieff	432	44	15th	30	20th	41·6	32·1	36·9	- 1·0	3	1·76	45	+ 24	•	•	•	7	10	•	•	•	•	Balmoral.
a Leith	18	50	17th	29	14th	43·9	34·1	39·0	- 0·2	4	0·28	7	- 2	2·6	—	29	•	•	•	•	•	•	Balruddery.
a West Linton ..	769	45	17th	27	14th	40·3	30·4	35·4	+ 0·4	5	0·62	16	—	•	•	•	•	•	•	•	•	•	
p Marchmont ..	498	47	17th	31	20th	42·7	32·3	37·5	+ 0·5	4	0·69	18	+ 5	*2·1*	—	*23*	7	21	•	•	•	•	*West Linton.*
a Edinburgh ..	*441*	*47*	*17th*	*30*	*14th*	*42·1*	*34·6*	*38·4*	—	*3*	*0·17*	*4*	—	2·5	+ 0·2	27	6	27	•	•	•	•	Marchmont.
6. *a* SCOTLAND, W.														2·4	—	26	7	25	•	•	•	•	Edinburgh.
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	46	17th	33	15th	43·0	35·9	39·5	+ 0·9	5	0·77	20	+ 3	2·1	+ 0·6	23	2	25	•	•	•	•	Glasgow.
p Rothesay‡	170	45	17th	34	15, 16	43·0	35·4	39·2	- 0·4	5	1·34	34	+ 12	*3·0*	—	*32*	4	25	37·4	•	41·3	-0·5	*Rothesay.*
a Kilmarnock ..	90	47	17th	24	15th	43·6	31·7	37·7	- 1·1	5	0·93	24	—	*2·9*	—	*31*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	49	15th	27	16th	45·1	33·9	39·5	+ 1·1	5	2·51	64	+ 41	•	•	•	4	22	•	•	•	•	
a Dumfries	160	48	17th	29	16th	43·9	33·6	38·8	0·0	4	2·23	57	+ 38	*3·3*	—	*35*	4	27	36·5	•	39·3	•	*Dumfries.*
Eskdalemuir ..	*799*	*43*	*17th*	*27*	*14, 20*	*40·6*	*29·3*	*35·0*	—	*6*	*1·97*	*50*	—	*3·0*	—	*32*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	50	15th	28	15th	45·9	32·0	39·0	+ 0·5	4	1·66	42	+ 17	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas	277	48	17th	33	16, 20	45·0	35·6	40·3	0·0	4	1·54	39	+ 19	4·6	+ 2·2	49	3	26	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	50	17th	32	16, 19	43·7	33·6	38·7	+ 0·6	5	1·06	27	+ 15	2·8	—	30	5	23	36·0	-0·4	39·8	+1·4	Cockle Park.
a Tynemouth	71	48	17th	33	15th	44·0	35·7	39·9	+ 1·0	6	0·63	16	+ 7	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	47	17th	30	16th	43·1	33·6	38·4	+ 0·9	5	0·47	12	+ 3	2·9	+ 0·6	31	4	25	•	•	•	•	Durham.
a, North .. *p* Rounton	249	47	17–19	28	16th	44·4	33·4	38·9	+ 1·6	6	0·83	21	+ 11	•	•	•	3	24	37·3	•	•	•	Rounton.
a West Witton ..	*605*	*46*	*17th*	*25*	*16th*	*49·0*	*31·9*	*37·0*	—	*6*	*2·02*	*51*	—	•	•	•	5	20	36·3	•	39·0	•	*West Witton,*
p Scarborough ..	100	49	18th	33	16th	44·9	36·0	40·5	+ 1·3	4	0·68	17	+ 6	2·6	—	28	•	•	•	•	42·0†	•	Scarborough.
p York	56	48	17, 18	29	16th	44·9	34·7	39·8	+ 1·3	*5*	0·49	12	+ 2	1·9	- 0·1	20	•	•	38·6	+1·0	41·9	+1·8	York.
a Spurn Head ..	26	48	18th	33	16th	43·7	34·4	39·1	+ 0·2	6	0·63	16	+ 8	2·2	—	*23*	•	•	•	•	•	•	*Spurn Head.*
b, South .. *a* Lincoln	58	51	18th	32	16, 17	45·3	35·4	40·4	+ 2·0	4	0·65	17	+ 8	•	•	•	•	•	37·6	+1·3	41·3	+2·1	Lincoln.
a Fulbeck	180	51	18th	28	16th	45·6	34·7	40·2	+ 1·6	5	0·41	10	+ 1	2·7	—	28	4	23	38·8	+0·3	42·7	+1·1	Rauceby.
														2·7	—	28	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	50	18th	33	17th	44·3	36·9	40·6	+ 3·3	6	0·58	15	—	2·2	—	23	•	•	•	•	•	•	Cromer.
p Little Massingham ..	280	48	18th	29	16th	44·0	35·3	39·7	+ 1·7	6	1·22	31	+ 20	2·0	- 0·5	21	3	21	•	•	•	•	Lit. Massingham
a, North .. *a* Yarmouth ..	17	49	18th	30	17th	45·1	35·7	40·4	+ 2·5	6	0·79	20	+ 11	2·2	—	23	•	•	39·3	+1·6	43·0	+1·9	Yarmouth.
a Norwich	93	50	18th	31	16th	45·1	35·3	40·2	+ 2·2	6	1·56	40	—	*2·0*	—	*21*	3	27	37·6	•	•	•	*Norwich.*
a Geldeston	37	50	18, 20	30	16th	46·3	35·7	41·0	+ 2·4	6	0·97	25	+ 16	1·9	- 0·7	20	•	•	•	•	•	•	Geldeston.
p Cambridge	41	51	18, 19	26	16th	46·9	35·0	41·0	+ 2·3	5	0·45	11	+ 2	1·8	- 0·8	19	3	19	39·0	+0·6	42·4	+1·5	Cambridge.
b, South .. *a* Clacton-on-Sea ..	54	46	18, 20	31	17th	44·4	35·7	40·1	+ 1·4	6	0·63	16	—	2·4	—	25	1	26	40·2	+0·9	43·2	+0·5	Clacton.
a Rothamsted ..	424	49	18th	36	16th	44·1	33·7	38·9	+ 0·9	5	1·24	31	+ 20	1·9	- 0·5	20	3	21	37·6	•	•	•	Rothamsted.
p Tottenham ..	51	48	18, 19	30	16th	45·7	38·0	41·9	+ 2·5	5	0·94	24	—	1·3	—	13	•	•	•	•	43·1	+0.9	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate ..	479	47	17, 18	28	16th	43·7	33·6	38·7	+ 1·4	5	0·88	22	+ 6	2·4	—	26	3	20	37·4	-0·2	39·9	+0·9	Harrogate.
p Buxton	*987*	*45*	*18th*	*23*	*16th*	*41·4*	*31·9*	*36·7*	+ *0·9*	*6*	*1·84*	*47*	+ *23*	*2·5*	—	*26*	6	20	34·5	-2·0	39·3	-1·1	*Buxton.*
														2·6	—	27	2	23	37·5	+0·5	41·2	+1·3	Sheffield.
a Bawtry	65	50	18th	27	16th	45·4	33·7	39·6	+ 1·0	5	0·40	10	+ 1	1·8	- 0·2	19	4	20	38·1	•	40·9	•	Worksop.
a Nottingham	82	50	17, 18	26	17th	45·9	33·6	39·8	+ 1·3	5	0·47	12	+ 2	2·0	—	21	4	21	37·2	+0·4	39·6	+1·3	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	48	17, 18	30	16th	44·4	35·7	40·1	+ 1·8	4	1·00	25	+ 14	2·8	—	29	2	19	39·1	-0·2	43·5	+0·6	Birmingham.
a Raunds	203	51	18th	25	16th	46·9	32·6	39·8	+ 1·4	5	0·59	15	—	*2·8*	—	*29*	4	19	39·6	•	44·0	•	*Raunds.*
p Oxford	208	50	18th	27	16th	46·4	36·1	41·3	+ 1·9	5	0·82	21	+ 11	2·5	+ 0·2	26	3	19	•	•	•	•	Oxford.
a Cheadle	646	46	18, 20	28	15, 16	42·7	32·0	37·4	0·0	4	0·97	25	+ 12	•	•	•	4	25	•	•	•	•	Cheadle.
p Shrewsbury ..	191	50	18, 20	25	16th	45·6	33·7	41·2	+ 1·7	3	0·61	15	—	•	•	•	3	20	•	•	•	•	Shrewsbury.
c, West .. *a* Hereford§ ..	291	48	16, 18, 20	25	16th	45·4	33·1	39·3	+ 0·1	5	1·25	32	+ 19	*4·2*	—	*43*	4	20	38·0	•	41·2	•	*Malvern.*§
a Cirencester ..	446	48	17–19	21	16th	45·5	31·2	38·4	+ 0·4	4	1·84	47	+ 34	2·9	+ 0·4	30	3	24	39·2	•	41·9	•	Cirencester.
a Bath	66	51	17th	26	16, 17	48·1	33·6	40·9	+ 0·7	5	1·69	43	+ 30	2·9	—	30	•	•	•	•	•	•	Bath.
5. ENGLAND, S.E.																							
a Marlborough ..	424	53	19th	23	16th	46·9	33·1	40 0	+ 1·7	5	1·68	43	+ 29	3·7	—	38	4	23	40·9	+1·6	43·9	+1·4	Worthing.
a Margate	53	50	18th	34	16th	47·0	37·7	42·4	+ 2·7	4	0·39	10	+ 1	1·3	—	13	3	18	40·7	•	45·9	•	Marlborough.
a Wisley, Surrey ..	150	50	18th	28	16th	45·9	35·3	40·6	+ 0·8	6	1·25	32	—	2·0	—	21	0	31	40·8	+1·8	42·9	+2·0	Margate.
p Salisbury (Wilton) ..	180	50	18th	26	16th	46·7	34·3	40·5	+ 1·5	5	2·22	56	+ 41	2·0	—	21	2	19	39·5	+1·2	42·3	+1·1	Wisley.
a Tunbridge Wells ..	354	49	18th	27	16th	44·9	35·9	40·4	+ 1·8	5	1·47	37	+ 23	•	•	•	4	22	39·4	•	•	•	Salisbury.
a Dungeness	21	49	18th	29	16th	45·1	36·0	40·6	+ 1·0	6	1·38	35	+ 25	2·5	+ 0·2	26	3	20	40·0	+2·6	42·2	•	Tunbridge Wells.
p Hastings.. ..	178	49	18th	32	16th	46·0	38·4	42·2	+ 2·3	4	0·79	20	+ 7	•	•	•	•	•	•	•	•	•	Littlestone.
p Southampton ..	64	51	18, 19	27	16th	47·7	37·1	42·4	+ 1·3	4	1·73	44	+ 31	3·0	—	31	3	25	40·6	•	43·2	•	Hastings.
a Ventnor	59	52	19th	33	15th	48·6	40·0	44·3	+ 2·5	5	1·07	27	+ 14	3·0	+ 0·4	31	3	16	•	•	•	•	Southampton.
LONDON. *p* Kew	18	50	18th	30	16th	46·0	37·0	41·5	+ 2·0	6	1·06	27	+ 17	3·8	+ 1·0	29	•	•	•	•	•	•	Ventnor.
a Westminster ..	*27*	*52*	*18th*	*27*	*16th*	*47·0*	*35·7*	*41·4*	+ *1·9*	*5*	*0·95*	*24*	+ *14*	1·4	- 0·6	14	3	21	39·2	+1·1	43·0	+1·1	Kew.
a Greenwich ..	*155*	*51*	*18th*	*28*	*16th*	*45·9*	*35·7*	*40·8*	+ *1·4*	*5*	*0·84*	*21*	+ *12*	*1·2*	*0·0*	*12*	3	26	•	•	•	•	*Westminster.*
a Hampstead ..	*450*	*48*	*18th*	*27*	*16th*	*44·2*	*32·6*	*38·4*	—	*5*	*1·09*	*28*	—	*1·6*	- *0·5*	*16*	5	20	•	•	•	•	*Greenwich.*
a Camden Square ..	*110*	*51*	*18th*	*28*	*16th*	*46·1*	*35·6*	*40·9*	—	*5*	*1·12*	*28*	—	*1·8*	—	*19*	6	13	•	•	•	•	*Hampstead.*
7. *a*, ENGLAND, N.W.														*1·1*	—	*12*	2	24	•	•	•	•	*Camden Square.*
p Aspatria	250	47	17th	28	16th	43·7	32·7	38·2	+ 0·5	4	0·61	15	+ 1	3·3	—	34	•	•	•	•	•	•	Hoylake.
p Newton Rigg ..	559	46	17th	25	16th	42·1	32·3	37·2	+ 0·6	4	0·95	24	+ 5	3·2	—	34	2	20	38·0	•	42·1	•	Aspatria.
p Stonyhurst	375	47	17th	28	16th	43·4	34·3	38·9	+ 0·7	5	1·19	30	+ 10	3·2	+ 1·1	34	5	17	37·1	-0·4	39·6	+0·3	Newton Rigg.
p Blackpool	66	48	17th	29	16th	44·6	37·0	40·8	+ 1·8	6	0·79	20	+ 6	2·4	+ 0·4	26	7	17	•	•	•	•	Stonyhurst.
a Southport	*37*	*50*	*17th*	*30*	*16th*	*45·0*	*35·3*	*40·2*	+ *1·0*	*5*	*1·19*	*30*	+ *17*	3·8	+ 1·6	40	3	25	38·8	•	43·0	•	Blackpool.
a Liverpool (Bidston) ..	188	49	17th	33	16, 17	44·6	35·1	39·9	+ 0·6	5	0·63	16	+ 5	*3·0*	—	*32*	3	22	36·4	-0·6	40·0	+0·9	*Southport.*
a Hawarden Bridge ..	*22*	*51*	*17th*	*30*	*16th*	*47·1*	*36·4*	*41·8*	+ *1·6*	*5*	*0·79*	*20*	+ *11*	*3·2*	—	*33*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	49	17, 18	31	16th	44·9	36·3	40·6	+ 1·0	5	0 67	17	+ 6	*1·4*	—	*15*	2	29	37·7	+0·3	42·2	+1·2	*Manchester (City)*
b NORTH WALES.														*1·7*	+ *0·2*	*18*	•	•	•	•	•	•	*„ (Whit. Park).*
p Llandudno	71	50	17th	36	17th	46·4	38·6	42·5	+ 1·1	4	0·76	19	+ 6	3·1	+ 0·7	32	•	•	•	•	•	•	Llandudno.
a Holyhead	15	49	17th	35	16th	46·6	37·4	42·0	+ 0·6	5	0·95	24	+ 9	*3·9*	—	*41*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed ..	*148*	*49*	*17th*	*28*	*16th*	*44·4*	*33·6*	*39·0*	- *1·5*	*7*	*2·24*	*57*	—	*2·8*	—	*29*	•	•	38·4	-0·7	42·7	+0·6	*Bettws-y-Coed.*
														3·0	—	31	•	•	•	•	•	•	Aberdovey.

† At 3 ft § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														2·3	—	24	*	*	*	*	*	*	
a Llangammarch Wells	550	49	16th	27	16, 20	45·0	32·3	38·7	+ 0·7	5	2·43	62	—	1·9	—	20	3	19	39·5	+0·5	44·0	+1·3	Llangammarch.
a Pembroke	149	48	16th	26	16, 20	45·6	39·3	42·5	+ 0·5	6	1·81	46	+ 30	3·7	+ 1·1	38	*	*	*	*	*	*	Pembroke.
p Cardiff	202	50	17th	29	16th	46·7	35·9	41·3	+ 1·5	3	1·90	48	+ 29	*2·5*	—	*26*	3	22	39·6	+0·1	42·8	+0·8	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	50	17th	28	16th	47·1	36·0	41·6	+ 1·5	4	1·16	29	+ 15	*3·3*	—	*34*	3	24	*	*	*	*	*Clifton.*
a Shaftesbury	722	48	19th	28	15, 16	44·7	32·4	38·6	+ 0·2	4	1·15	29	+ 15	*	*	*	*	*	39·1	*	42·1	*	Shaftesbury.
a Arlington	613	48	16, 17	28	16th	44·9	33·4	39·2	− 0·1	6	1·83	46	+ 22	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*51*	*16th*	*32*	*16th*	*47·9*	*38 6*	*43·3*	*0·0*	*6*	*1·56*	*40*	+ *24*	3·6	+ 0·8	37	1	26	42·7	*	44·4	*	Newquay.
a Cullompton	202	52	19th	27	16th	48·6	34·9	41·8	+ 1·4	6	1·22	31	+ 14	2·0	− 0·4	21	4	22	41·7	*	*	*	Cullompton.
a Portland Bill	19	49	20th	36	16th	46·9	39·7	43·3	+ 1·7	4	1·42	36	—	*2·9*	—	*30*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	50	17th	31	16th	47·6	38·1	42·9	+ 0·8	6	1·88	48	+ 31	3·0	+ 0·3	31	*	*	42·1	+0·7	*	*	Plymouth.
a Falmouth	167	50	16, 17	34	16, 17	48·3	38·4	43·4	+ 0·3	5	2·40	61	+ 39	3·1	+ 0·2	31	3	23	42·8	*	44·8	*	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	46	19th	33	17th	44·3	36·1	40·2	− 0·6	6	0·51	13	− 1	*3·5*	*	*38*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	47	16–18	32	20th	44·9	36·1	40·5	− 2·1	5	1·06	27	+ 4	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	48	17th	26	16, 20	45·7	30·6	38·2	− 1·8	7	1 17	30	+ 11	2·5	+ 0·3	27	5	21	38·3	*	42·1	*	Markree Castle.
a Birr Castle	175	49	16th	26	15, 16	45·1	30·7	37·9	− 2·4	?	?	?	?	?	?	?	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	48	15, 17	28	16th	45·6	31·7	38·7	− 1·1	4	0·90	23	+ 10	4·2	+ 2·0	45	4	20	38·6	−1·6	42·0	−0·6	Armagh.
a Donaghadee	101	48	17th	30	17th	45·1	34·1	39·6	− 1·0	5	0·95	24	+ 10	*	*	*	*	*	*	*	*	*	*
10. IRELAND, S.																	4	21	39·6	−1·6	42·4	−0·8	Trinity Coll.
														4·3	+ 1·8	45	4	19	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	48	17, 18	30	16th	45·1	34·7	39·9	− 2·3	3	0·28	7	− 6	*	*	*	3	27	*	*	*	*	Dublin City.
a Kilkenny	212	50	18th	26	16, 20	46·7	31·6	39·2	− 1·7	5	0·64	16	0	*	*	*	*	*	*	*	*	*	*
a Waterford	30	49	17, 18, 20	29	16th	47·4	34·4	40·9	− 0·6	5	1·45	37	+ 16	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*47*	*17, 20*	*30*	*20th*	*44·9*	*31·7*	*38·3*	—	*4*	*1·70*	*43*	—	*4·6*	—	*48*	4	26	*	*	*	*	*Seskin.*
b, West .. { *a* Birr Castle	175	49	16th	26	15, 16	45·1	30·7	37·9	− 2·4	?	?	?	?	?	?	?	*	*	*	*	*	*	Birr Castle.
a Foynes	50	51	16th	32	16, 20	46·1	35·7	40·9	− 1·6	6	0·62	16	− 3	*	*	*	*	*	*	*	*	*	*
a Cahir	199	49	16, 18	27	15, 20	45·9	32·0	39·0	− 2·4	6	0·69	18	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	51	15, 16, 18	33	16th	48·3	36·7	42·5	− 0·1	7	1·56	40	+ 9	*	*	*	*	*	*	*	*	*	*
a Valencia	30	51	16th	34	16th	48·7	37·6	42·2	− 2·1	7	2·40	61	+ 30	2·6	+ 0·1	27	*	*	*	*	*	*	Valencia.
a Roche's Point	32	48	15–18	33	16th	47·0	37·6	42·3	− 1·1	5	1·30	33	+ 10	2·5	*	26	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	51	16th	39	16th	48·7	41·9	45·3	+ 0·1	7	1·58	40	+ 23	3·0	0·0	30	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	50	18th	33	16, 17	48·3	38·4	43·4	+ 0·7	6	1·50	38	+ 24	3·7	+ 0·5	37	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	50	18, 19	32	16th	48·3	39·4	43·9	+ 0·5	6	1·62	41	+ 24	3·0	0·0	30	3	23	42·7	+0·4	45·2	+0·5	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, February 20th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Total Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Total Duration.	Fresh or Moderate Winds forces 4 and 5. Total Duration.	Calms and Light Airs. Total Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.		Highest Hourly Wind. Date and Hour.		Highest Gust with Date and Time.		
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.			m/s.	d.	h. m.
1. SCOTLAND, E.															
Dyce	75	?	—	—	17th	4	24	140	SE. by S.	11	17th	4h.	23	17th	5 . 55
Aberdeen*	105	37	—	—	14, 17	15	26	127	SE.	15	17th	5h.	21	17th	5 . 30
		52													
Edinburgh	39	31	17th	1	14, 17	10	53	104	S. by E.	17	17th	5h.	24	17th	4 . 0
6. SCOTLAND, W.															
Eskdalemuir	50	22	—	—	14, 17	20	49	99	NE. by N.	14	14th	8h.	23	17th	17 . 5
Paisley (Coats Obs.)	81	52	—	—	—	—	35	133	SW. by S.	9	17th	13h.	22	17th	11 . 45
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	17th	2	35	131	SSE.	13	17th	3h.	21	17th	3 . 10
South Shields ..	61	12	—	—	14, 17	22	52	94	E. by N.	17	14th	1h.	21	17th	3 . 0
Spurn Head	40	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.															
Gorleston	42	—	17th	7§	14 to 19	42§	48§	64§	—	18	17th	11h.	25	17th	10 . 45
Shoeburyness ..	90	—	—	—	14, 17 to 19	47	60	61	S.	17	17th	10h.	22	17th	9 . 35
4. MIDLAND COUNTIES.															
Benson	84	—	—	—	16 to 18	27	75	66	SSE.	15	17th	4h.	22	18th	15 . 0
5. ENGLAND, S.E.															
Dover	40	—	14, 17	8§	14, 15, 17 to 19	75§	38§	16§	—	21	14th	5h.	30	14th	0 . 35
Warlingham	33	5	—	—	14, 17, 18	26	64	78	—	13	17th	10h.	26	17th	9 . 35
Brighton	53	3	—	—	14, 17, 18	17	89	62	—	15	17th	9h.	24	17th	9 . 15
Kew†	65	7	—	—	17th	1	71	96	SW.	11	17th	24h.	21	17th	24 . 2
		22													
South Kensington ..	92	30				Instrument out of order.					—	—			
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	14th	1	36	131	NE. by E.	11	14th	6h.	19	14th	6 . 0
Southport	62	48	—	—	14, 16, 17, 19	22	82	64	NE.	15	14th	4h.	23	14th	4 . 30
Holyhead*	40	—	16th	1	14, 16, 17, 19	45	87	35	SSE.	17	16th	22h.	26	16th	21 . 10
8. ENGLAND, S.W.															
Pendennis Castle* ..	65	24	16, 17	20§	14, 16 to 19	39§	40§	44§	SSW.	23	17th	4h.	34	17th	18 . 25
Plymouth	88	7	17th	4	16 to 18	31	34	99	—	19	17th	5h.	29	17th	19 . 40
10. IRELAND, S.															
Quilty	40	—	—	—	16 to 19	27§	92§	15§	—	17	16th	15h.	26	16th	12 . 5
Weaver Pt.	30	—	16th	1§	16 to 18	20§	69§	69§	—	18	16th	15h.	26	17th	12 . 5
11. ENGLISH CHANNEL.															
Scilly*	19	—	14th	3	14, 16 to 19	54	56	55	WNW.	19	14th	1h.	26	14th	1 . 30

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

SEVENTH WEEK—February 14th to February 20th, 1915.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	49	26	42·6	33·7	38·2	+ 0·8	2	− 5	30	− 11	5	0	0·75	19	− 10	2·8	+0·8	31	992
Eastern.																			
1. SCOTLAND, EAST ...	50	14	42·2	31·0	36·6	− 0·1	1	− 7	39	− 7	5	+ 1	0·85	22	+ 9	2·8	+0·1	31	992
2. ENGLAND, N.E.	51	28	44·5	34·6	39·5	+ 1·1	7	− 3	28	− 7	5	+ 2	0·65	16	+ 7	2·6	−0·1	28	994
3. ENGLAND, EAST ...	51	26	45·0	35·7	40·4	+ 2·2	8	− 3	25	− 14	6	+ 3	0·93	24	+ 15	2·0	−0·8	20	996
4. MIDLAND COUNTIES ...	51	21	45·7	33·5	39·7	+ 1·3	10	− 3	33	− 6	5	+ 2	0·96	24	+ 13	2·5	+0·1	26	995
5. ENGLAND, S.E.	53	23	46·5	36·5	41·5	+ 1·8	13	− 1	22	− 8	5	+ 1	1·30	33	+ 21	2·5	−0·1	26	998
Western.																			
6. SCOTLAND, WEST ...	50	24	44·2	34·0	39·1	+ 0·3	6	− 3	30	− 4	5	+ 1	1·57	40	+ 16	3·4	+1·2	36	993
7. ENGLAND, N.W.	50	25	44·5	35·5	40·0	+ 0·7	7	− 4	25	− 5	5	+ 1	0·82	21	+ 7	3·1	+0·7	33	992
8. ENGLAND, S.W.	52	27	46·5	36·0	41·3	+ 0·3	13	− 4	25	+ 1	5	+ 2	1·72	44	+ 26	2·8	+0·2	29	995
9. IRELAND, NORTH ...	49	26	45·1	33·2	39·2	− 1·2	9	− 6	33	+ 7	5	+ 1	0·92	23	+ 6	3·4	+0·9	36	991
10. IRELAND, SOUTH ...	51	26	46·5	34·6	40·5	− 1·4	13	− 8	29	+ 8	6	+ 2	1·12	29	+ 9	3·1	+0·5	33	993
11. ENGLISH CHANNEL ...	51	32	48·4	39·9	44·2	+ 0·3	24	0	6	− 5	6	+ 1	1·57	40	+ 24	3·2	0·0	33	997

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 12 Weeks, November 29th, 1914, to February 20th, 1915.

0. SCOTLAND, NORTH ...	56	18	42·6	33·7	38·3	*	49	− 44	381	− 23	63	− 1	18·44	468	+ 67	0·9	0·0	13	995
Eastern.																			
1. SCOTLAND, EAST ...	56	7	41·9	32·0	37·1	*	39	− 55	486	+ 6	54	+ 6	11·40	290	+105	1·2	−0·3	16	997
2. ENGLAND, N.E.	59	23	43·9	35·3	39·8	*	92	− 18	305	− 75	61	+17	9·18	232	+ 99	1·3	−0·3	16	999
3. ENGLAND, EAST ...	58	18	44·9	36·0	40·6	*	145	+ 26	272	−161	66	+21	11·57	293	+168	1·3	−0·3	16	1002
4. MIDLAND COUNTIES ...	59	20	44·8	34·8	39·9	*	127	− 7	332	−103	57	+12	12·22	310	+157	1·3	−0·2	17	1002
5. ENGLAND, S.E.	56	18	46·4	37·2	41·9	*	211	+ 38	215	−104	62	+17	16·73	425	+260	1·6	−0·1	19	1003
Western.																			
6. SCOTLAND, WEST ...	55	19	43·7	34·8	39·4	*	80	− 56	321	+ 8	61	+ 6	16·10	409	+ 72	1·4	+0·1	18	998
7. ENGLAND, N.W.	60	21	44·7	36·3	40·6	*	128	− 11	250	− 56	58	+ 8	14·83	351	+135	1·5	+0·2	19	999
8. ENGLAND, S.W.	56	20	46·4	37·4	42·0	*	198	− 24	209	− 26	67	+16	19·56	497	+225	1·8	+0·1	22	1002
9. IRELAND, NORTH ...	56	14	44·3	34·9	39·8	*	113	− 56	314	+ 44	65	+ 7	13·69	348	+104	1·4	−0·1	18	995
10. IRELAND, SOUTH ...	59	17	46·1	36·0	41·2	*	170	− 91	265	+ 60	72	+17	18·07	461	+179	1·9	+0·1	23	999
11. ENGLISH CHANNEL ...	56	27	48·8	41·1	45·1	*	328	− 14	74	− 7	73	+15	18·19	462	+230	1·9	−0·3	22	1004

THE YEAR.—Aggregates, &c., for the Period of 7 Weeks, January 3rd, 1915, to February 20th, 1915.

0. SCOTLAND, NORTH ...	54	19	42·7	33·9	38·4	*	33	− 14	214	− 43	37	0	9·08	231	0	1·2	+0·1	15	998
Eastern.																			
1. SCOTLAND, EAST ...	55	14	41·9	32·2	37·2	*	21	− 32	274	− 19	32	+ 4	5·15	131	+ 31	1·2	−0·5	16	998
2. ENGLAND, N.E.	55	23	43·4	35·1	39·4	*	42	− 19	181	− 53	35	+10	4·76	120	+ 50	1·3	−0·5	15	1000
3. ENGLAND, EAST ...	56	18	44·0	35·4	39·8	*	56	− 9	178	− 87	38	+12	5·20	132	+ 64	1·4	−0·6	17	1002
4. MIDLAND COUNTIES ...	56	21	44·4	34·4	39·5	*	69	− 8	198	− 64	31	+ 5	5·70	145	+ 59	1·4	−0·3	17	1002
5. ENGLAND, S.E.	56	18	45·4	36·4	41·0	*	95	+ 6	147	− 53	33	+ 7	7·35	187	+ 97	1·8	−0·1	21	1004
Western.																			
6. SCOTLAND, WEST ...	53	20	43·4	34·4	39·0	*	41	− 30	198	− 2	35	+ 3	8·12	207	+ 24	1·8	+0·3	22	999
7. ENGLAND, N.W.	56	25	44·1	36·0	40·2	*	63	− 9	158	− 34	30	+ 1	6·82	173	+ 56	1·8	+0·3	22	1001
8. ENGLAND, S.W.	53	20	45·5	37·0	41·4	*	93	− 24	132	− 19	37	+ 8	9·43	240	+ 97	1·9	0·0	22	1003
9. IRELAND, NORTH ...	55	22	44·4	34·8	39·7	*	68	− 28	185	+ 18	36	+ 3	6·67	170	+ 35	1·6	−0·1	20	998
10. IRELAND, SOUTH ...	59	22	45·9	36·2	41·1	*	91	− 53	147	+ 21	41	+10	8·44	216	+ 62	2·0	+0·1	24	1001
11. ENGLISH CHANNEL ...	54	27	47·8	40·2	44·1	*	150	− 23	61	+ 1	41	+ 8	8·39	213	+ 93	2·2	−0·2	25	1005

W. N. SHAW, Director.
Meteorological Office, South Kensington, February 24th, 1915.

E. GOLD, Superintendent of Statistical Division.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 29

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 8. EIGHTH WEEK, SUNDAY, FEBRUARY 21ST, TO SATURDAY, FEBRUARY 27TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s 0d.*

I.—Remarks.

The weather, although brighter and less rainy than during several of the preceding weeks, continued unsettled. Temperature was below the normal, especially in Ireland and the south-west of England, and frost occurred over a large portion of the Kingdom almost every night, the thermometer falling to 12° or 13° in Scotland North and East (at Fort Augustus and Balmoral) on the 24th, to 15° in the Midland Counties on the 25th, and to 17° in England South-West. The daily maxima were rarely as high as 50° in the mildest parts of the Kingdom, but were generally several degrees above the freezing point. Precipitation, some of which came in the form of snow, again exceeded the normal except in some English localities, the excess being large in the north-west. As much as 26 mm. (all of snow) fell at Marlborough on the 22nd, and on the 26th there were some heavy downpours of rain in the north-west, 26 mm. at Douglas, 30 mm. at Dumfries, 37 mm. at Colmonell, 41 mm. (of rain and snow) at Eskdalemuir, and 46 mm. at Aspatria. At Fort Augustus the snow on the ground on the morning of the 23rd was 18 cm. deep. Thunder was heard at Yarmouth on the 22nd, and at Leeds on the 27th. Aurora was observed at Aberdeen and Gordon Castle on the 22nd.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Deficient	Moderate	Abundant	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant

THE SEASON.

WINTER, 13 weeks from Nov. 29th, 1914.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

PAST SEASONS.

WINTER, 1913–14. Nov. 30th–Feb. 28th. 13 weeks.	Warmth ...	6, 4, 3	7, 4, 2	7, 4, 2	9, 1, 3	7, 2, 4	7, 2, 4	4, 7, 2	8, 2, 3	7, 2, 4	7, 4, 2	7, 2, 4	6, 3, 4
	Rainfall ...	5, 6, 2	5, 4, 4	1, 5, 7	3, 1, 9	2, 3, 8	3, 5, 5	5, 4, 4	5, 2, 6	3, 5, 5	5, ?, 5	4, 3, 6	5, 1, 7
	Sunshine ...	3, 9, 1	2, 9, 2	1, 10, 2	3, 6, 4	2, 5, 6	4, 5, 4	2, 5, 6	2, 11, 0	3, 5, 5	1, 3, 9	1, 5, 7	2, 6, 5
SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 9, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Feb. 27th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	46	43	44·0	−0·5
Wick	41	40	40·4	−2·9	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	43	39	40·8	+1·5
Ballantrae	44	39	41·6	−1·2	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	48	45	46·5	—	ENGLAND, S.E.				
Plymouth‡	46	45	45·6	−0·6	Eastbourne‡	44	42	42·9	+2·5
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	44	41	42·4	−2·3	Port Erin	45	42	43·4	−0·9

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4164—19.) Wt. 229—611. 450. 3/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
p Baltasound	31	*44*	*25th*	*26*	*24th*	*41·0*	*39·4*	*36·7*	—	7	*0·93*	*24*	—	*17*								*Baltasound.*
a, Islands .. a Lerwick	54	43	25th	25	24th	40·6	32·7	36·7	- 1·5	6	0·98	25	—	1·7	- 0·5	18						Deerness.
a Stornoway	51	45	25, 26	24	24th	39·7	31·9	35·8	- 3·3	7	1·61	41	+ 15	1·7	- 0·7	18						Stornoway.
a Castlebay, Barra Isd.	*37*	*46*	*26th*	*29*	*23rd*	*41·7*	*33·9*	*37·8*	*- 3·3*	*6*	*0·55*	*14*	—	*2·7*	—	*28*						*Castlebay.*
b, Mainland. a Wick	81	42	26th	24	24th	39·3	28·9	34·1	- 3·7	5	0·39	10	- 3									
p Strathpeffer	200	44	26th	27	23, 24	40·4	31·0	35·7	- 1·8	5	1·05	27	+ 11	2·0	- 0·4	21						Strathpeffer.
p Glencarron	500																					
p Fort Augustus	68	42	22, 26–27	12	24th	40·0	29·1	34·6	- 3·6	5	1·15	29	+ 4	1·4	- 0·5	14						Fort Augustus.
p Fort William	171	44	25th	17	24th	40·7	30·0	35·4	- 3·8	6	1·85	47	+ 3									
1. SCOTLAND, E.																						
p Gordon Castle	101	45	21st	25	24th	40·9	31·4	36·2	- 2·5	6	0·63	16	+ 3	3·2	—	33	7	20	34·1	-1·9	37·1	-0·2	Crathes.
a Nairn	82	44	26th	23	24, 25	39·7	29·4	34·6	- 3·4	4	0·55	14	+ 3	*2·2*	—	*23*						*Gordon Castle.*
a Aberdeen	46	45	25th	26	25th	40·6	30·7	35·7	- 2·6	3	0·24	6	- 7	2·4	—	25						Nairn.
a Balmoral	930	42	26th	15	24th	38·7	23·3	31·0	- 3·3	5	0·30	8	- 9	3·5	+ 0·7	36			39·5	+0·6		Aberdeen.
p Crieff	432	46	25th	23	24th	40·0	28·4	34·2	- 4·1	5	1·14	29	+ 9	2·8	—	29	7	11				Balmoral.
a Leith	18	44	25th	26	26th	41·4	31·7	36·6	- 3·0	3	0·21	5	- 4									Balruddery.
a West Linton	769	42	25th	13	24th	37·6	23·9	30·8	- 4·4	6	0·67	17	—	*3·0*	—	*30*	7	15				*West Linton.*
p Marchmont	498	43	21, 25	23	24th	40·3	27·9	34·1	- 3·3	3	0·38	10	- 3	4·0	+ 1·5	40	7	19				Marchmont.
a Edinburgh	*441*	*43*	*25th*	*23*	*24th*	*39·4*	*30·7*	*35·1*	—	*5*	*0·56*	*14*	—	4·0	—	40	?7	?14				Edinburgh.
6. *a* SCOTLAND, W.																						
a Poltalloch	132																					
p Glasgow Observatory	180	44	25th	26	24th	40·7	32·1	36·4	- 2·6	6	1·02	26	+ 9	2·0	+ 0·3	20	6	20				Glasgow.
p Rothesay‡	170	47	25th	26	24th	42·0	31·3	36·7	- 3·2	6	1·30	33	+ 11	*2·9*	—	*29*	7	17	36·6		40·9	-1·1	*Rothesay.*
a Kilmarnock	90	46	25th	23	24th	42·0	29·3	35·7	- 3·3	4	1·42	36	—	*2·2*	—	*22*						*Kilmarnock.*
a Colmonell	170	47	25th	22	24th	41·6	30·6	36·1	- 2·6	5	1·88	48	+ 26				5	16				
a Dumfries	160	45	25th	25	24th	41·0	29·7	35·4	- 3·8	4	1·49	38	+ 19	*2·6*	—	*26*	6	21	35·6		39·1		*Dumfries.*
Eskdalemuir	*799*	*41*	*25th*	*22*	*25th*	*38·3*	*28·4*	*33·4*	—	*5*	*1·85*	*47*	—	*2·3*	—	*23*							*Eskdalemuir.*
p Cally, Gatehouse	120	45	25th	24	24th	41·7	28·6	35·2	- 3·6	4	1·44	37	+ 12									
b, I. OF MAN. p Douglas	277	44	25–27	28	24th	41·6	32·4	37·0	- 3·4	5	1·30	33	+ 13	4·5	+ 1·7	45	6	23				Douglas.
2. ENGLAND, N.E.																						
a Alnwick Castle	210	46	25th	26	22nd	41·7	29·7	35·7	- 2·8	4	0·18	5	- 8	4·8	—	48	7	18	34·7	-2·1	39·4	+0·6	Cockle Park.
a Tynemouth	71	46	27th	28	24th	41·4	30·6	36·0	- 3·2	3	0·24	6	- 3										*Tynemouth.*
p Durham	336	46	27th	25	22nd	41·0	28·3	34·7	- 3·3	3	0·20	5	- 4	5·0	+ 2·4	51	7	20					Durham.
a, North .. p Rounton	249	45	25, 27	24	24, 25	41·0	27·3	34·2	- 3·8	4	0·34	9	- 1				7	18	35·8				Rounton.
a West Witton	*605*	*43*	*18th*	*23*	*18th*	*40·7*	*28·3*	*34·5*	—	*5*	*1·25*	*32*	—				6	19	35·2		38·4		*West Witton.*
p Scarborough	100	48	25th	30	22, 23, 25	43·7	32·0	37·9	- 1·4	3	0·34	9	- 2	3·8	—	38					42·0†		Scarborough.
p York	56	45	21, 25	28	23rd	42·6	31·0	36·8	- 2·2	4	0·31	8	- 2	3·5	+ 1·2	35			37·6	-0·6	41·2	+1·0	York.
b, South .. a Spurn Head	26	43	21, 27	30	25th	40·7	32·0	36·4	- 2·8	5	0·39	10	+ 2	*4·4*	—	*44*							*Spurn Head.*
a Lincoln	58	47	21st	27	25th	43·0	30·3	36·7	- 2·2	3	0·36	9	0						36·0	-0·9	41·2	+1·8	Lincoln.
a Fulbeck	180	52	21st	25	25th	43·0	29·9	36·5	- 2·8	4	0·31	8	- 1	4·3	—	43	6	19	38·1	-0·8	42·4	+0·7	Rauceby.
														3·7	—	37							Skegness.
3. ENGLAND, E.																						
p Cromer	196	48	21st	32	25th	43·0	33·6	38·3	+ 0·6	7	0·40	10	—	2·6	—	26							Cromer.
p Little Massingham	280	45	21, 27	28	25th	41·6	31·1	36·4	- 2·3	5	0·50	13	+ 3	2·4	- 0·4	24	6	20					Lit. Massingham.
a, North .. a Yarmouth	17	46	21, 27	28	25th	44·3	31·9	38·1	- 0·3	5	0·51	13	+ 4	3·4	—	34			38·3	+0·2	42·7	+1·3	Yarmouth.
a Norwich	93	47	21st	29	25, 26	43·3	31·3	37·3	- 1·2	5	0·42	11	—	*2·5*	—	*25*	6	21	36·7				*Norwich.*
a Geldeston	37	48	27th	26	25th	45·0	31·4	38·2	- 1·0	7	0·45	11	+ 2	2·9	0·0	29							Geldeston.
b, South .. p Cambridge	41	48	21, 27	25	25th	44·1	28·4	36·3	- 2·9	5	0·32	8	0	3·3	+ 0·4	33	6	20	38·3	-0·4	42·3	+1·1	Cambridge.
a Clacton-on-Sea	54	47	21, 27	28	25, 26	43·7	31·7	37·7	- 1·4	5	0·42	3	—	3·4	—	34	5	22	39·6	-0·4	43·4	+0·6	Clacton.
a Rothamsted	424	46	21st	24	25th	41·9	28·4	35·2	- 3·3	6	0·64	16	+ 5	4·9	+ 2·2	49	6	18	37·0				Rothamsted.
p Tottenham	51	48	27th	27	25th	43·3	31·9	37·6	- 2·3	3	0·29	7	—	3·8	—	38					42·9	+0·5	Tottenham.
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	45	25th	25	23rd	41·6	28·1	34·9	- 2·8	4	0·40	10	- 3	5·1	—	51	6	19	36·5	-1·5	39·7	+0·4	Harrogate.
p Buxton	*987*	*43*	*27th*	*24*	*24th*	*39·1*	*28·7*	*33·9*	*- 2·3*	*8*	*0·68*	*17*	*- 7*	*5·1*	—	*51*	7	19	35·1	-1·9	38·9	-1·4	*Buxton.*
														4·4	—	44	6	23	36·6	-0·9	40·9	+0·9	Sheffield.
a Bawtry	65	45	21st	27	25, 26	43·0	29·7	36·4	- 2·7	4	0·30	8	- 1	3·9	+ 1·6	39	6	18	37·1		40·8		Worksop.
a Nottingham	82	47	27th	25	25th	43·6	28·4	36·0	- 3·0	4	0·35	9	- 1	4·3	—	43	6	21	34·9	-2·6	39·3	+0·6	Nottingham.
b, East .. p Birmingham, Edgbsn.	535	46	27th	27	25th	41·4	30·7	36·1	- 2·7	3	0·29	7	- 3	4·1	—	41	5	18	37·7	-2·1	43·2	+0·2	Birmingham.
a Raunds	203	50	21st	23	25th	45·3	28·0	36·7	- 2·2	3	0·23	6	—	*5·5*	—	*54*	7	19	39·9		44·0		*Raunds.*
a Oxford	208	47	21st	27	25th	43·3	31·6	37·5	- 2·3	5	0·46	12	+ 2	4·8	+ 2·2	48	6	20					Oxford.
c, West .. a Cheadle	646	45	26th	25	24th	40·9	28·6	34·8	- 3·1	2	0·22	6	- 7				7	24					Cheadle.
p Shrewsbury	191	49	21st	23	26th	44·9	30·0	37·5	- 2·5	3	0·41	10	—				7	20					Shrewsbury.
a Hereford§	291	48	21st	22	25th	43·1	27·7	35·4	- 4·4	4	0·25	6	- 6	*5·1*	—	*51*	7	17	37·1		41·3		*Malvern.*§
a Cirencester	446	45	21, 27	22	26th	41·3	26·2	33·8	- 4·7	5	0·53	13	0	4·7	+ 1·9	47	6	23	38·4		41·8		Cirencester.
a Bath	66	50	27th	23	25th	44·6	26·6	35·6	- 4·8	5	1·06	27	+ 14	4·8	—	48			38·1	-2·3	42·6	-0·5	Bath.
5. ENGLAND, S.E.																						
a Marlborough	424	46	21, 27	15	25th	43·3	25·6	34·5	- 4·4	5	1·30	33	+ 19	6·1	—	60	6	22	39·4	-0·9	43·8	+1·1	Worthing.
a Margate	53	48	27th	33	24, 26	44·4	35·0	39·7	- 0·3	2	0·16	4	- 5	2·7	- 0·1	27	7	14	39·9		45·9		Marlborough.
a Wisley, Surrey	150	48	27th	26	25th	43·3	30·3	36·8	- 3·6	4	0·33	8	—	4·2	—	42	4	27	39·9	+0·2	42·9	+1·7	Margate.
p Salisbury (Wilton)	180	49	27th	23	25th	42·7	28·4	35·6	- 4·0	5	0·82	21	+ 7				6	17	38·0	-1·2	42·2	+0·6	Wisley.
a Tunbridge Wells	354	49	21st	24	25th	44·7	30·4	37·6	- 1·4	4	0·26	7	- 6	4·6	+ 1·9	46	6	19	38·6				Salisbury.
																	6	18	39·0	+0·6	42·1		Tunbridge Wells.
a Dungeness	21	46	21, 26, 27	26	26th	43·7	30·6	37·2	- 2·8	2	0·12	3	- 6										Littlestone.
p Hastings	178	48	21, 27	28	25th	44·4	33·9	39·2	- 1·1	1	0·10	3	- 10	5·5	—	51	6	21	39·3		43·1		Hastings.
p Southampton	64	49	27th	24	25th	44·1	31·6	37·9	- 3·8	5	0·68	17	+ 4	4·4	+ 1·5	44	5	14					Southampton.
a Ventnor	59	50	21, 27	29	25th	46·3	34·4	40·4	- 1·6	3	0·46	12	- 1	5·2	+ 2·0	51							Ventnor.
LONDON. p Kew	18	48	27th	26	26th	43·7	31·3	37·5	- 2·5	3	0·32	8	- 2	4·1	+ 1·9	41	5	19	38·1	-1·1	42·8	+0·6	Kew.
a Westminster	*27*	*51*	*27th*	*26*	*25th*	*44·9*	*30·4*	*37·7*	*- 2·3*	*5*	*0·39*	*10*	*0*	*3·3*	*+ 1·9*	*33*	5	24					*Westminster.*
a Greenwich	*155*	*48*	*21, 27*	*26*	*25th*	*43·6*	*31·1*	*37·4*	*- 2·8*	*4*	*0·58*	*15*	*+ 5*	*3·8*	*+ 1·6*	*38*	6	17					*Greenwich.*
a Hampstead	*450*	*47*	*27th*	*22*	*25th*	*42·4*	*29·0*	*35·7*	—	*3*	*0·61*	*15*	—	*4·0*	—	*40*	7	10					*Hampstead.*
a Camden Square	*110*	*49*	*27th*	*25*	*25th*	*44·7*	*29·7*	*37·2*	—	*3*	*0·55*	*14*	—	*3·6*	—	*36*	6	21					*Camden Square.*
7. *a*, ENGLAND, N.W.																						
p Aspatria	250	42	22, 27	23	24th	40·3	30·1	35·2	- 2·8	5	2·39	61	+ 46	4·1	—	41							Hoylake.
p Newton Rigg	559	42	25th	21	24th	39·6	27·8	33·8	- 3·2	4	1·26	32	+ 15	3·2	—	32	6	19	37·5		41·9		Aspatria.
p Stonyhurst	375	43	27th	27	24th	40·6	30·3	35·5	- 3·1	2	0·53	13	- 8	3·3	+ 0·9	34	7	16	36·6	-1·6	39·3	-0·1	Newton Rigg.
p Blackpool	66	46	25th	27	22nd	42·7	32·7	37·7	- 1·6	5	0·86	17	+ 4	4·0	+ 1·7	40	7	18					Stonyhurst.
a Southport	*37*	*46*	*27th*	*30*	*22, 24, 26*	*42·7*	*32·0*	*37·4*	*- 2·1*	*5*	*0·56*	*14*	*+ 1*	*4·6*	*+ 2·1*	*46*	6	25	38·4		42·7		Blackpool.
a Liverpool (Bidston)	188	45	21st	29	26th	41·3	31·3	36·3	- 3·4	5	0·39	10	- 1	*4·3*	*+ 1·7*	*43*	6	20	35·7	-2·4	39·9	+0·3	*Southport.*
a Hawarden Bridge	*22*	*47*	*21st*	*30*	*24, 26*	*43·3*	*32·0*	*37·7*	*- 2·8*	*5*	*0·57*	*14*	*+ 5*	3·7	—	37							*Liverpool.*
p Manchester (Whit. Pk.)	125	46	21st	29	24, 25	41·6	31·6	36·6	- 3·4	4	0·28	7	- 4	*1·8*	—	*18*	5	25	36·2	-2·0	41·9	+0·8	*Manchester (City)*
														1·8	*+ 0·4*	*18*							*" (Whit. Park)*
b NORTH WALES.																						
p Llandudno	71	47	25, 27	24	22nd	44·0	36·9	40·5	- 1·1	5	0·51	13	+ 1	4·7	+ 2·0	47							Llandudno
a Holyhead	15	46	21st	33	22–24	43·6	34·9	39·3	- 2·3	4	0·95	24	+ 9	*4·1*	—	*41*							*Holyhead.*
p Bettws-y-Coed	*148*	*46*	*27th*	*25*	*25th*	*42·6*	*28·7*	*35·7*	*- 5·3*	*5*	*1·17*	*30*	—	*3·8*	—	*38*			36·7	-3·1	42·4	0·0	*Bettws-y-Coed.*
														3·8	—	38							Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES										•	•	•	•	3·8	—	38	•	•	•	•	•	•	
a Llangammarch Wells	550	45	21st	17	25th	40·4	24·3	32·4	− 6·1	5	0·61	15	—	3·1	—	31	7	12	37·2	−2·5	44·0	+1·3	Aberystwyth.
a Pembroke	149	46	27th	31	25th	43·0	33·9	38·5	− 3·5	7	1·22	31	+ 16	5·9	+ 2·9	58	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	48	27th	26	25th	43·6	30·9	37·3	− 3·0	5	0·47	12	− 6	*4·9*	—	*49*	6	18	38·0	−2·2	42·7	+0·4	Pembroke.
																							Cardiff.
b, ENGLAND, S.W.																							
a Clifton	229	47	27th	25	25th	42·9	30·4	36·7	− 3·8	5	0·56	14	0	*5·0*	—	*50*	6	22	•	•	•	•	*Clifton.*
a Shaftesbury	722	46	21st	22	25th	41·4	28·9	35·2	− 3·7	4	0·27	7	− 7	•	•	•	•	•	38·5	•	42·2	•	Shaftesbury.
a Arlington	613	46	21st	22	25th	42·0	29·1	35·6	− 4·1	5	0·73	19	− 4	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*48*	*21, 27*	*26*	*25th*	*44·6*	*32·3*	*38·5*	− *4·8*	*6*	*0·67*	*17*	+ *1*	5·0	+ 1·9	50	4	19	40·8	•	44·4	•	Newquay.
a Cullompton	202	50	27th	19	25th	45·4	27·6	36·5	− 4·4	5	0·29	7	− 10	4·6	+ 1·9	46	6	13	39·7	•	•	•	Cullompton.
a Portland Bill	19	47	21, 27	30	25th	44·1	35·6	39·9	− 1·9	4	0·43	11	—	*5·5*	—	*54*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	50	27th	25	25th	45·4	32·4	38·9	− 3·5	5	0·73	19	+ 3	5·4	+ 2·4	52	•	•	39·5	−2·8	•	•	Plymouth.
a Falmouth	167	49	21st	28	25, 26	44·8	33·8	39·3	− 4·0	5	0·95	24	+ 3	5·0	+ 1·7	49	5	19	41·2	•	44·8	•	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	46	25th	32	23, 24	40·9	33·7	37·3	− 3·7	6	0·71	18	+ 5	*4·3*	—	*43*	•	•	•	•	•	•	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	52	26th	31	23rd	44·1	34·0	39·1	− 3·6	6	1·26	32	+ 10	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	47	26th	20	24th	42·0	27·0	34·5	− 5·9	6	1·19	30	+ 11	3·4	+ 1·0	34	7	18	37·6	•	42·0	•	Markree Castle.
a Birr Castle	175	47	25th	24	24, 25	?43·3	?27·9	?35·6	−?5·1	?4	0·67?	?17	+ 4?	?4·7	+ 2·2?	?47	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	43	24, 26, 27	25	24th	41·9	29·1	35·5	− 4·6	5	0·85	22	+ 9	3·7	+ 1·3	37	6	18	36·8	−3·9	41·6	−0·9	Armagh.
a Donaghadee	101	44	27th	28	22nd	41·0	31·0	36·0	− 5·0	5	0·47	12	− 2	•	•	•	•	•	•	•	•	•	•
														•	•	•	6	20	37·6	−4·2	42·1	−1·5	Trinity Coll.
10. IRELAND, S.														4·9	+ 2·1	49	7	18	•	•	•	•	Phœnix Park.
p Dublin, City	47	46	26th	28	24th	42·9	31·4	37·2	− 5·3	4	0·52	13	+ 1	•	•	•	6	25	•	•	•	•	Dublin City.
a, East .. *a* Kilkenny	212	47	25th	24	25th	43·6	28·6	36·1	− 5·0	3	0·81	21	+ 6	•	•	•	•	•	•	•	•	•	•
a Waterford	30	49	27th	26	24th	44·6	30·6	37·6	− 4·2	3	0·92	23	+ 4	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*46*	*27th*	*27*	*24th*	*42·7*	*31·1*	*36·9*	—	*3*	*0·85*	*22*	—	*5·3*	—	*52*	•	•	•	•	•	•	*Seskin.*
a Birr Castle	175	47	25th	24	24, 25	?43·3	?27·9	?35·6	−?5·1	?4	0·67?	?17	+ 4?	?4·7	+ 2·2?	47?	•	•	•	•	•	•	Birr Castle.
a Foynes	50	47	25, 26	29	25th	44·7	32·4	38·6	− 4·2	4	0·81	21	+ 2	•	•	•	•	•	•	•	•	•	•
b, West .. *a* Cahir	199	47	25, 27	26	21st	44·1	30·9	37·1	− 4·6	6	0·91	23	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	50	25th	26	24th	45·9	31·6	38·8	− 4·0	7	2·01	51	+ 21	•	•	•	•	•	•	•	•	•	•
a Valencia	30	48	26th	29	25th	45·6	34·0	39·8	− 4·6	7	1·97	50	+ 21	4·5	+ 1·7	45	•	•	•	•	•	•	Valencia.
a Roche's Point	32	48	27th	31	25th	45·3	33·6	39·5	− 4·0	2	0·79	20	− 1	5·0	•	50	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	49	21, 27	35	25th	46·4	37·4	41·9	− 3·3	5	0·51	13	− 3	5·4	+ 2·1	52	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	49	21, 27	28	26th	45·9	32·7	39·3	− 3·8	3	0·20	5	− 9	5·5	+ 2·0	53	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	52	27th	28	26th	47·3	34·4	40·9	− 2·9	3	0·32	8	− 8	4·9	+ 1·5	48	6	20	41·4	−1·7	45·1	+0·3	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, February 27th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind						Extreme Velocities.				
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	Highest Hourly Wind.			Highest Gust with Date and Time.	
			Dates of Occurrence.	Total Duration.	Dates of Occurrence.	Total Duration	Total Duration.	Total Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.		m/s.	d. h. m.
1. SCOTLAND, E.													
Dyce	75	†	—	—	—	—	44	124	SSW.	9	26th 13h.	21	26th 13 . 15
Aberdeen*	105	37	—	—	26th	1	64	103	S	13	26th 14h.	22	26th 13 . 10
		52											
Edinburgh	39	31	25th	9§	26th	5§	82§	67§	S. by W.	21	26th 17h.	32	26th 18 . 10
6. SCOTLAND, W.													
Eskdalemuir	50	22	26th	1	23, 26, 27	23	42	102	SSW.	17	26th 22h.	25	26th 21 . 10
Paisley (Coats Obs.)	81	52	—	—	26th	9	40	119	SW. by S.	15	26th 15h.	28	26th 14 . 25
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	27	141	SW. by W.	10	27th 13h.	19	26th 16 . 30
South Shields ..	61	12	—	—	23rd	3	67	98	N. by E.	12	23rd 18h.	19	23rd 18 . 20
Spurn Head	40	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.													
Gorleston	42	—	—	—	24, 27	8	40	120	—	14	27th 5h.	20	27th 5 . 35
Shoeburyness ..	90	—	—	—	27th	8	39	121	SSW.	14	27th 10h.	18	27th 9 . 0
4. MIDLAND COUNTIES.													
Benson	84	—	—	—	26, 27	3	52	113	N. by W.	14	24th 6h.	17	27th 3 . 5
5. ENGLAND, S.E.													
Dover	40	—					Instrument out of order.						
Warlingham	33	5	—	—	27th	5	32	131	—	12	27th 5h.	21	27th 3 . 55
Brighton	53	8	—	—	—	—	51	117	—	11	27th 5h.	19	27th 5 . 15
Kew†	65	7	—	—	—	—	33	135	SSW.	8	27th 4h.	16	27th 3 . 50
		22											
South Kensington ..	92	50	—	—	—	—	13§	149§	SSW.	7	27th 10h.	16	26th 24 . 0
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	27th	2	30	136	W.	12	27th 22h.	19	27th 17 . 40
Southport	62	48	27th	1	27th	13	82	72	W.	17	27th 22h.	26	27th 21 . 25
Holyhead*	40	—	—	—	23, 26, 27	45§	48§	50§	NW.	16	23rd 12h.	24	26th 20 . 55
8. ENGLAND, S.W.													
Pendennis Castle* ..	65	24	26, 27	13	22, 24, 26, 27	21	65	69	—	21	26th 17h.	26	26th 19 . 10
Plymouth	88	2	—	—	26, 27	17§	19§	131§	—	16	26th 24h.	20	27th 17 . 5
10. IRELAND, S.													
Quilty	40	—	22nd	4	22, 26, 27	45	79	40	—	23	22nd 8h.	33	22nd 7 . 45
Weaver Pt.	30	—	—	—	22, 25, 26	31	46	91	—	17	26th 8h.	25	26th 11 . 10
11. ENGLISH CHANNEL.													
Scilly*	19	—	—	—	—	—	—	—	—	—	—	—	—

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

EIGHTH WEEK—February 21st to February 27th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure
			Means of				Accumulated Number of Day-Degrees.												
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Mean for the Week at M.S.L.
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	45	12	40·1	30·6	35·4	− 2·5	0	− 7	46	+ 9	6	+ 2	1·17	30	+ 6	1·7	−0·6	18	1003
Eastern.																			
1. SCOTLAND, EAST ...	46	13	39·9	28·3	34·2	− 2·7	0	− 8	55	+ 12	4	+ 1	0·51	13	0	3·3	+0·6	34	1005
2. ENGLAND, N.E. ...	52	24	42·0	30·1	36·1	− 2·4	0	− 9	41	+ 7	4	0	0·30	8	0	4·2	+1·5	42	1008
3. ENGLAND, EAST ...	48	24	43·4	31·1	37·2	− 1·2	4	− 8	39	+ 2	5	+ 2	0·41	10	+ 2	3·3	+0·4	33	1010
4. MIDLAND COUNTIES ...	50	22	43·0	28·7	35·9	− 2·6	3	− 10	48	+ 10	4	+ 1	0·41	10	0	4·5	+2·0	45	1011
5. ENGLAND, S.E.	50	15	44·1	31·2	37·C	− 2·2	6	− 8	40	+ 10	3	+ 1	0·46	12	+ 1	4·6	+1·6	46	1011
Western.																			
6. SCOTLAND, WEST ...	47	22	41·5	30·6	36·1	− 2·8	0	− 9	41	+ 9	5	+ 1	1·41	36	+ 15	3·3	+1·0	33	1007
7. ENGLAND, N.W.	47	21	41·7	32·0	36·9	− 2·5	0	− 11	36	+ 6	4	0	0·87	22	+ 9	4·0	+1·0	40	1010
8. ENGLAND, S.W.	50	17	43·2	30·7	37·0	− 4·0	3	− 14	41	+ 17	5	+ 1	0·63	16	− 1	4·7	+1·8	47	1012
9. IRELAND, NORTH ...	52	20	42·2	30·5	36·3	− 4·2	1	− 13	40	+ 15	5	+ 1	0·86	22	+ 6	3·6	+1·0	36	1008
10. IRELAND, SOUTH ...	50	24	44·4	31·1	37·8	− 4·3	7	− 14	40	+ 20	4	+ 1	1·05	27	+ 8	4·8	+1·9	48	1012
11. ENGLISH CHANNEL ...	52	28	46·5	34·8	40·7	− 3·3	13	− 10	29	+ 19	4	0	0·34	9	− 6	5·3	+1·7	51	1013

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 13 Weeks, November 29th, 1914, to February 27th, 1915.

0. SCOTLAND, NORTH ...	56	12	42·4	33·5	38·1	*	49	− 51	427	− 14	69	+ 1	19·65	499	+ 74	1·0	0·0	13	996
Eastern.																			
1. SCOTLAND, EAST ...	56	7	41·7	31·7	36·9	*	39	− 63	541	+ 18	58	+ 7	11·91	303	+105	1·4	−0·2	18	997
2. ENGLAND, N.E.	59	23	43·8	34·9	39·5	*	92	− 27	346	− 68	65	+17	9·48	240	+ 99	1·5	−0·1	19	1000
3. ENGLAND, EAST ...	58	18	44·8	35·7	40·4	*	149	+ 18	311	−159	71	+23	11·98	303	+170	1·5	−0·2	18	1003
4. MIDLAND COUNTIES ...	59	20	44·6	34·3	39·6	*	130	− 17	380	− 93	61	+13	12·63	320	+157	1·6	0·0	19	1002
5. ENGLAND, S.E.	56	15	46·3	36·7	41·6	*	217	+ 30	255	− 94	65	+18	17·19	437	+261	1·6	−0·2	19	1004
Western.																			
6. SCOTLAND, WEST ...	55	19	43·5	34·5	39·1	*	89	− 65	362	+ 17	66	+ 7	17·51	445	+ 87	1·6	+0·2	20	998
7. ENGLAND, N.W.	60	21	44·4	35·9	40·3	*	128	− 22	286	− 50	62	+ 8	15·70	373	+144	1·7	+0·3	21	1000
8. ENGLAND, S.W.	56	17	46·1	36·9	41·6	*	201	− 38	250	− 9	72	+17	20·19	513	+224	2·0	+0·2	24	1002
9. IRELAND, NORTH ...	56	14	44·2	34·6	39·5	*	114	− 69	354	+ 59	70	+ 8	14·55	370	+110	1·6	0·0	20	996
10. IRELAND, SOUTH ...	59	17	46·0	35·6	40·9	*	177	−105	305	+ 80	76	+18	19·12	488	+187	2·1	+0·3	26	1000
11. ENGLISH CHANNEL ...	56	27	48·6	40·6	44·8	*	341	− 24	103	+ 12	77	+15	18·53	471	+224	2·2	−0·1	25	1004

THE YEAR.—Aggregates, &c., for the Period of 8 Weeks, January 3rd, 1915, to February 27th, 1915.

0. SCOTLAND, NORTH ...	54	12	42·4	33·5	38·0	*	33	− 21	260	− 34	43	+ 2	10·29	262	+ 7	1·2	−0·1	16	998
Eastern.																			
1. SCOTLAND, EAST ...	55	13	41·6	31·7	36·8	*	21	− 40	329	− 7	36	+ 5	5·66	144	+ 31	1·5	−0·4	18	999
2. ENGLAND, N.E.	55	23	43·3	34·4	38·9	*	42	− 28	222	− 46	39	+10	5·06	128	+ 50	1·6	−0·3	19	1001
3. ENGLAND, EAST ...	56	18	43·9	34·9	39·5	*	60	− 17	217	− 85	43	+14	5·61	142	+ 66	1·7	−0·4	19	1004
4. MIDLAND COUNTIES ...	56	21	44·2	33·7	39·1	*	72	− 18	246	− 54	35	+ 6	6·11	155	+ 59	1·8	0·0	21	1003
5. ENGLAND, S.E.	56	15	45·2	35·7	40·6	*	101	− 2	187	− 43	36	+ 8	7·81	199	+ 98	1·9	−0·1	21	1005
Western.																			
6. SCOTLAND, WEST ...	53	20	43·2	34·0	38·7	*	41	− 39	239	+ 7	40	+ 4	9·53	243	+ 39	1·9	+0·3	23	1000
7. ENGLAND, N.W.	56	21	43·8	35·5	39·8	*	63	− 20	194	− 28	34	+ 1	7·69	195	+ 65	2·1	+0·4	24	1002
8. ENGLAND, S.W.	53	17	45·2	36·3	40·8	*	96	− 38	173	− 2	42	+ 9	10·06	256	+ 96	2·2	+0·2	25	1004
9. IRELAND, NORTH ...	55	20	44·1	34·3	39·3	*	69	− 41	225	+ 33	41	+ 4	7·53	192	+ 41	1·9	+0·1	22	999
10. IRELAND, SOUTH ...	59	22	45·7	35·6	40·7	*	98	− 67	187	+ 41	45	+11	9·49	243	+ 70	2·3	+0·3	27	1003
11. ENGLISH CHANNEL ...	54	27	47·6	39·5	43·7	*	163	− 33	90	+ 20	45	+ 8	8·73	222	+ 87	2·6	+0·1	29	1006

W. N. SHAW, Director.
Meteorological Office, South Kensington, March 3rd, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 9. NINTH WEEK, SUNDAY, FEBRUARY 28TH, TO SATURDAY, MARCH 6TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks.

The weather continued unsettled, and precipitation was again frequent. Snow showers were experienced at first in many localities; at Fort William on February 28th the depth of snow on the level was 15 cm. and at Strathpeffer on March 1st it was as much as 28 cm. Later in the week the temperature was higher, and the precipitation came in the form of rain. Heavy downpours were not common, but at Fort William, 50 mm. on March 4th was followed by 25 mm. on the 5th. Thunderstorms were experienced at Southend-on-Sea on February 28th, and at Tottenham, Wisley and Bettws-y-Coed on March 1st. Temperature was above the average, considerably so in England. On February 28th the thermometer fell to 21° at Balmoral, and on March 1st to the same value at Baltasound and Birr Castle. Late in the week the maximum temperature was above 55° in England and Ireland. At Birr Castle, Waterford and Raunds the reading was as high as 59°. Rainfall exceeded the normal over the greater part of the Kingdom, the excess being large in Scotland N. Bright sunshine was below the average except in Scotland E., England E., and the Midland Counties.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Very heavy	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Scanty	Scanty	Moderate

THE SEASON.

SPRING, 1 week from Feb. 28th, 1915.	Warmth ...	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0
	Rainfall ...	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0
	Sunshine ...	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 9, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Mar. 6th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	48	43	44·7	+0·2
Wick*	41	40	40·7	−2·3	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	43	39	40·8	+1·6
Ballantrae	43	39	41·2	−1·6	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	50	46	47·9	—	ENGLAND, S.E.				
Plymouth‡	47	45	46·4	+0·3	Eastbourne‡	44	42	43·0	+2·0
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	48	40	42·6	−2·2	Port Erin	—	—	—	—

* Five days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4233—19.) Wt. 229—611. 450. 3/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880. GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.									Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration	Ground Frosts	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	-		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*	*44*	*3rd*	*21*	*1st*	*41·7*	*39·3*	*36·9*	—	7	*1·69*	*43*	—	*2·0*	—	*20*	•	•	36·5	•	•	•	*Baltasound.*
a Lerwick	54	45	5th	31	1st	42·9	34·4	38·5	+ 0·2	7	2·09	53	—	3·3	- 0·8	33	•	•	•	•	•	•	Deerness.
a Stornoway	51	50	5th	29	1st	44·1	35·9	39·9	+ 0·8	7	2·72	69	+ 44	2·1	- 0·6	21	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*49*	*5th*	*31*	*28, 1*	*46·1*	*38·3*	*42·1*	*+ 0·1*	7	*1·50*	*38*	—	*1·9*	—	*18*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	46	4, 5	28	28, 2	43·0	33·4	38·1	- 0·1	7	0·95	24	+ 11	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	51	5th	28	1st	44·6	35·0	39·7	+ 1·9	7	1·61	41	+ 25	1·4	- 1·1	14	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500													•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	50	5th	25	28th	44·6	36·0	40·2	+ 1·9	7	0·96	24	0	1·8	- 0·3	16	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	51	6th	29	28th	45·6	36·4	40·9	+ 1·5	6	3·97	101	+ 59	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.														3·3	—	32	4	20	34·7	-1·8	36·9	-0·6	Crathes.
p Gordon Castle	101	52	5th	28	28, 1	45·7	36·1	40·8	+ 1·9	7	1·36	35	+ 22	*2·6*	—	*25*	•	•	•	•	•	•	*Gordon Castle.*
a Nairn	82	52	5th	28	28, 1	43·9	34·0	38·8	+ 0·5	7	0·59	15	+ 4	2·2	—	21	•	•	•	•	•	•	Nairn.
a Aberdeen	46	54	5th	27	1st	45·0	34·3	39·5	+ 0·8	5	0·67	17	+ 4	3·5	+ 0·4	34	•	•	•	•	39·0	-0·1	Aberdeen.
a Balmoral	930	49	4th	21	28th	43·1	31·0	36·9	+ 2·4	6	0·42	11	- 5	•	•	•	4	18	•	•	•	•	Balmoral.
p Crieff	432	54	5th	26	1st	44·9	34·0	39·3	+ 0·6	5	0·78	20	0	1·8	—	17	•	•	•	•	•	•	Balruddery.
a Leith	18	52	4, 5	31	28, 1	47·1	36·4	41·6	+ 1·7	4	0·28	7	- 2	•	•	•	•	•	•	•	•	•	
a West Linton	769	48	5, 6	24	1st	42·3	32·9	37·5	+ 1·8	6	1·41	36	—	*1·7*	—	*16*	3	20	•	•	•	•	*West Linton.*
p Marchmont	498	51	5, 6	28	1st	45·0	34·1	39·4	+ 1·7	4	0·38	9	- 4	2·4	- 0·5	23	3	22	•	•	•	•	Marchmont.
a Edinburgh	*441*	*51*	*5th*	*29*	*28th*	*44·9*	*37·0*	*40·8*	—	*5*	*0·25*	*6*	—	2·5	—	24	3	26	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.														•	•	•	•	•	•	•	•	•	
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	189	52	6th	30	28, 1	45·3	37·1	41·1	+ 1·8	5	0·92	23	+ 7	1·6	- 0·4	16	3	24	•	•	•	•	Glasgow.
p Rothesay‡	170	51	6th	29	28th	45·6	36·4	40·9	+ 0·8	7	2·18	55	+ 34	*2·2*	—	*21*	4	25	38·4	•	40·4	-1·6	*Rothesay.*
a Kilmarnock	90	51	4th	28	2nd	46·1	35·7	40·8	+ 1·6	5	1·52	39	—	*1·9*	—	*18*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170													•	•	•	•	•	•	•	•	•	
a Dumfries	160	52	5th	30	28, 1	45·3	37·0	41·0	+ 1·4	5	0·75	19	+ 1	*1·6*	—	*15*	3	26	37·2	•	38·9	•	*Dumfries.*
Eskdalemuir	*799*	*50*	*6th*	*27*	*1st*	*42·1*	*33·3*	*37·6*	—	*6*	*1·81*	*46*	—	*2·1*	—	*20*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	51	6th	30	28, 1	46·0	35·8	40·8	+ 1·6	6	1·79	45	+ 21	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas	277	52	5th	34	1st	46·9	39·3	43·0	+ 2·5	7	1·38	35	+ 16	1·9	- 1·3	18	0	31	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	219	53	5th	30	28, 1	47·1	35·7	41·2	+ 2·4	4	0·28	7	- 6	2·8	—	27	3	25	37·5	+0·8	38·8	-0·2	Cockle Park.
a Tynemouth	71	52	4-6	31	1st	46·7	36·1	41·2	+ 1·6	4	0·35	9	0	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	54	6th	29	1st	46·4	34·3	40·2	+ 1·8	7	0·56	14	+ 5	2·3	- 0·6	22	3	27	•	•	•	•	Durham.
p Rounton	249	52	5, 6	30	28, 1	47·0	38·4	42·6	+ 4·4	6	0·38	10	0	•	•	•	3	26	37·6	•	•	•	Rounton.
a West Witton	*605*	*49*	*6th*	*29*	*28, 1*	*44·1*	*35·4*	*39·6*		*7*	*0·43*	*11*	—	•	•	•	3	24	35·8	•	37·8	•	*West Witton.*
p Scarborough	100	54	6th	31	1st	48·6	38·3	43·3	+ 3·4	5	0·18	5	- 6	2·9	—	28	•	•	•	•	41·6†	•	Scarborough.
p York	56	55	6th	31	28, 1	48·9	38·4	43·5	+ 4·0	5	0·28	7	- 3	~~1·8~~	- 0·8	17	•	•	38·8	+0·5	41·0	+0·6	York.
a Spurn Head	26	54	5th	31	1st	46·1	36·6	41·2	+ 1·6	6	0·55	14	+ 6	*2·9*	—	*28*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	58	5th	32	28th	49·7	39·3	44·4	+ 5·0	4	0·30	8	- 1	•	•	•	•	•	38·9	+2·0	40·6	+1·0	Lincoln.
a Fulbeck	180	56	5th	32	1st	49·7	39·1	44·2	+ 4·5	5	0·31	8	- 1	2·8	—	26	4	26	40·2	+1·0	42·1	+0·3	Rauceby.
														3·5	—	33	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	52	4th	32	1st	47·7	38·1	42·8	+ 4·3	7	0·62	16	—	2·9	—	27	•	•	•	•	•	•	Cromer.
p Little Massingham	280	55	4-6	31	1st	48·7	37·0	42·7	+ 3·6	5	0·74	19	+ 8	2·4	- 0·6	23	3	26	•	•	•	•	Lit. Massingham
a Yarmouth	17	55	5th	32	2nd	48·7	37·4	42·9	+ 4·1	5	0·83	21	+ 12	3·2	—	30	•	•	39·7	+1·0	42·4	+0·6	Yarmouth.
a Norwich	93	56	5th	32	1st	49·0	39·0	43·9	+ 4·9	3	0·78	20	—	*3·6*	—	*34*	3	28	39·0	•	•	•	*Norwich.*
a Geldeston	37	57	5th	32	2nd	50·0	38·9	44·3	+ 4·7	5	0·80	20	+ 11	3·8	+ 0·6	36	•	•	•	•	•	•	Geldeston.
p Cambridge	41	57	5th	32	2nd	51·1	38·9	44·8	+ 5·0	4	0·32	8	0	2·7	- 0·5	25	3	26	40·3	+1·4	42·0	+0·4	Cambridge.
a Clacton-on-Sea	54	54	5, 6	34	1-3	47·7	37·9	42·7	+ 3·2	4	0·43	11	—	3·2	—	30	2	28	40·4	+0·1	43·0	-0·1	Clacton.
a Rothamsted	424	56	6th	33	1, 2	48·9	38·4	43·5	+ 4·0	5	0·45	11	0	3·1	+ 0·1	29	3	27	39·2	•	•	•	Rothamsted.
p Tottenham	51	57	6th	35	2nd	51·9	40·3	45·5	+ 5·3	5	0·33	8	—	3·1	—	29	•	•	•	•	42·6	+0·1	Tottenham.
4. MIDLAND COUNTIES.																							
a Harrogate	479	52	5th	29	1st	45·6	35·7	40·5	+ 2·5	4	0·48	12	- 1	2·7	—	26	3	25	37·9	-0·2	39·1	-0·3	Harrogate.
p Buxton	*987*	*52*	*5, 6*	*31*	*28, 1*	*44·7*	*35·0*	*39·7*	*+ 3·3*	*6*	*1·75*	*44*	*+ 21*	*0·8*	—	*8*	1	29	35·8	-1·4	38·7	-1·6	*Buxton.*
a Bawtry	65	58	5th	31	1st	49·0	39·0	43·9	+ 4·3	4	0·51	13	+ 4	3·1	—	30	2	28	38·3	+0·7	40·4	+0·3	Sheffield.
a Nottingham	82	57	5th	33	2nd	50·3	39·1	44·5	+ 5·1	5	0·59	15	+ 5	2·5	0·0	24	3	24	39·6	•	40·4	•	Worksop.
p Birmingham, Edgbsn.	535	55	5th	32	1st	48·4	38·4	43·3	+ 4·1	4	0·54	14	+ 4	2·1	—	20	2	29	40·2	+0·6	43·0	0·0	Birmingham.
a Raunds	203	59	6th	30	2nd	51·9	37·6	44·5	+ 5·1	4	0·34	9	—	*2·9*	—	*27*	3	24	40·4	•	44·0	•	*Raunds.*
p Oxford	208	56	6th	33	2nd	50·7	40·1	45·2	+ 4·9	5	0·40	10	0	3·4	+ 0·5	32	2	28	•	•	•	•	Oxford.
a Cheadle	646	55	5th	30	1st	46·4	37·6	41·6	+ 3·2	6	0·88	22	+ 9	•	•	•	3	27	•	•	•	•	Cheadle.
p Shrewsbury	191	56	5th	33	1st	51·6	39·7	45·6	+ 5·0	4	0·49	12	—	•	•	•	3	21	•	•	•	•	Shrewsbury.
a Hereford§	291	58	5th	32	2nd	51·7	39·0	45·2	+ 5·0	2	0·25	6	- 6	*3·1*	—	*29*	2	26	40·1	•	41·0	•	*Malvern.§*
a Cirencester	446	56	5th	29	2nd	49·7	37·7	43·5	+ 4·5	3	0·40	10	- 2	3·3	+ 0·2	31	1	28	40·1	•	41·4	•	Cirencester.
a Bath	66	54	3, 6	31	2nd	50·7	39·3	44·8	+ 4·1	3	0·24	6	- 7	1·9	—	18	•	•	41·0	+0·6	42·1	-1·3	Bath.
5. ENGLAND, S.E.														2·9	—	27	1	27	41·7	+1·0	43·4	+0·4	Worthing.
a Marlborough	424	54	6th	31	2nd	49·3	37·9	43·4	+ 4·2	3	0·56	14	0	1·0	- 1·6	9	1	26	42·1	•	45·8	•	Marlborough.
a Margate	53	54	5th	35	2nd	48·4	39·4	43·8	+ 3·5	5	0·43	11	+ 2	2·4	—	23	0	33	41·0	+0·9	42·5	+1·0	Margate.
a Wisley, Surrey	150	55	6th	33	2nd	50·3	39·9	45·0	+ 4·3	5	0·52	13	—	3·2	—	30	2	27	40·6	+1·1	41·7	-0·4	Wisley.
p Salisbury (Wilton)	180													•	•	•	•	•	•	•	•	•	Salisbury.
a Tunbridge Wells	354	55	6th	33	2nd	49·3	38·6	43·8	+ 4·3	5	0·35	9	- 4	2·8	- 0·2	26	1	27	40·9	+2·1	41·8	•	Tunbridge Wells.
a Dungeness	21	53	6th	32	2nd	47·9	38·4	43·0	+ 2·7	5	0·35	9	0	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	54	6th	32	2nd	48·1	39·0	43·4	+ 2·8	4	0·32	8	- 5	3·0	—	28	1	27	40·8	•	42·9	•	Hastings.
p Southampton	64	55	4th	33	2nd	49·7	40·7	45·1	+ 2·9	4	0·34	9	- 4	3·0	- 0·3	28	2	23	•	•	•	•	Southampton.
a Ventnor	59	54	6th	36	2nd	50·4	41·3	45·7	+ 3·4	3	0·31	8	- 4	3·7	+ 0·1	35	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	57	6th	33	2nd	50·4	40·1	45·1	+ 4·7	5	0·47	12	+ 2	2·9	+ 0·3	27	2	29	40·1	+0·6	42·6	+0·1	Kew.
a Westminster	*27*	*58*	*6th*	*33*	*2nd*	*50·3*	*39·6*	*44·8*	*+ 4·3*	*3*	*0·33*	*8*	*- 1*	*2·4*	*+ 0·8*	*23*	3	28	•	•	•	•	*Westminster.*
a Greenwich	*155*	*55*	*5th*	*34*	*2nd*	*50·0*	*40·0*	*44·9*	*+ 4·1*	*4*	*0·33*	*8*	*- 2*	*2·6*	*+ 0·1*	*25*	2	28	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*53*	*6th*	*30*	*2nd*	*48·6*	*36·3*	*42·3*	—	*4*	*0·35*	*9*	—	*2·9*	—	*27*	4	19	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*58*	*6th*	*32*	*2nd*	*51·0*	*39·1*	*44·9*	—	*4*	*0·37*	*9*	—	*2·8*	—	*26*	3	28	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.														1·6	—	15	•	•	•	•	•	•	Hoylake.
p Aspatria	250	48	4-6	30	28th	44·3	37·3	40·7	+ 2·3	5	1·08	27	+ 12	1·0	—	10	0	31	38·9	•	41·5	•	Aspatria.
p Newton Rigg	559	51	6th	29	28th	45·0	36·6	40·7	+ 3·3	6	0·45	11	- 9	2·9	- 0·7	19	4	24	37·6	-0·8	39·0	-0·6	Newton Rigg.
p Stonyhurst	375	50	4th	32	1st	46·0	37·3	41·5	+ 2·7	6	2·11	51	+ 33	1·1	- 1·5	11	5	25	•	•	•	•	Stonyhurst.
p Blackpool	66	50	3rd	33	1st	46·4	38·4	42·3	+ 2·4	6	0·74	19	+ 8	1·8	- 0·9	17	0	32	40·3	•	42·4	•	Blackpool.
a Southport	*37*	*52*	*4th*	*36*	*1, 3*	*47·3*	*40·1*	*43·6*	*+ 3·2*	*5*	*0·73*	*19*	*+ 6*	*1·9*	—	*18*	0	33	39·9	+1·5	39·8	-0·3	*Southport.*
a Liverpool (Bidston)	188	54	5th	33	28th	48·4	39·4	43·8	+ 3·1	6	0·55	14	+ 3	*1·5*	—	*14*	•	•	•	•	•	•	*Liverpool.*
a Hawarden Bridge	*22*	*55*	*4, 5*	*35*	*1st*	*50·7*	*41·1*	*45·8*	*+ 4·7*	*5*	*0·97*	*25*	*+ 16*	*0·6*	—	*6*	0	31	38·7	+0·5	41·2	-0·2	*Manchester (City)*
p Manchester (Whit. Pk.)	125	53	3-5	34	1st	48·1	40·1	44·0	+ 3·6	6	0·87	22	+ 11	*0·2*	*- 1·4*	*2*	•	•	•	•	•	•	„ *(Whit. Park)*
b NORTH WALES.														1·4	- 1·6	13	•	•	•	•	•	•	
p Llandudno	71	53	4th	39	28th	48·4	43·6	46·4	+ 4·5	6	0·44	11	- 1	*1·6*	—	*15*	•	•	•	•	•	•	Llandudno.
a Holyhead	15	52	5th	37	1st	47·9	40·4	44·0	+ 2·1	3	0·51	13	- 2	*1·8*	—	*17*	•	•	40·6	+0·8	42·1	-0·5	*Holyhead.*
p Bettws-y-Coed	*148*	*55*	*5th*	*36*	*28, 2*	*48·4*	*40·1*	*44·1*	*+ 2·9*	*7*	*1·19*	*30*	—	1·0	—	9	•	•	•	•	•	•	*Bettws-y-Coed.*
																							Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft.	°				°	°	°	°	*	in.	mm.	mm	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														1·1	—	10	*	*	*	*	*	*	
a Llangammarch Wells	550	52	6th	34	1, 2	47·3	39·1	43·1	+ 4·5	7	1·36	35	—	1·3	—	12	1	28	39·8	+0·2	43·3	+0·5	Aberystwyth.
a Pembroke	149	50	6th	37	28th	46·9	40·6	43·7	+ 1·5	6	0·67	17	+ 2	2·2	- 1·1	21	*	*	*	*	*	*	Llangammarch.
p Cardiff	202	54	6th	33	2nd	48·6	39·7	44·0	+ 3·1	5	0·74	19	+ 1	*3·1*	—	*29*	2	25	40·5	+0·4	42·2	-0·2	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	229	53	6th	35	1, 2	49·0	40·0	44·4	+ 3·6	3	0·38	10	- 4	*2·4*	—	*23*	2	29	*	*	*	*	*Clifton.*
a Shaftesbury	722	53	5th	31	2nd	46·7	36·7	41·6	+ 2·7	4	0·41	10	- 4	*	*	*	*	*	40·5	*	42·0	*	Shaftesbury.
a Arlington	613	50	4, 6	32	2nd	47·6	38·3	42·8	+ 2·9	5	1·24	31	+ 8	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*52*	*4th*	*41*	*1-3*	*48·7*	*43·0*	*45·8*	+ *2·3*	*5*	*0·33*	*8*	- *7*	3·0	- 0·4	28	0	35	43·7	*	44·0	*	Newquay.
a Cullompton	202	56	4, 6	31	2nd	52·0	40·3	46·0	+ 4·8	4	0·45	11	- 5	2·2	- 0·9	21	2	23	42·3	*	*	*	Cullompton.
a Portland Bill	19	51	6th	40	1-3	48·1	42·0	45·0	+ 2·9	3	0·24	6	—	*3·1*	—	*29*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	56	6th	32	2nd	50·3	41·7	45·9	+ 3·2	5	0·64	16	0	2·8	- 0·5	27	*	*	42·9	+0·7	*	*	Plymouth.
a Falmouth	167	56	4, 6	35	3rd	50·7	41·0	45·7	+ 2·3	4	0·51	13	- 7	3·9	+ 0·2	36	1	27	44·2	*	44·2	*	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	50	3, 5	32	28th	46·1	38·3	42·1	+ 0·9	7	1·22	31	+ 18	*1·1*	—	*11*	*	*	*	*	*	*	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	55	3rd	32	28th	48·0	39·4	44·1	+ 1·3	5	0·39	10	- 12	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	54	5th	32	2nd	50·1	39·9	44·9	+ 4·3	6	0·83	24	+ 2	1·3	- 1·4	13	1	29	40·7	*	41·6	*	Markree Castle.
a Birr Castle ..	175	59	5th	21	2nd	51·3	36·9	43·9	+ 3·1	5	0·59	15	+ 2	*2·0*	- *0·9*	*19*	*	*	*	*	*	*	*Birr Castle.*
b, East .. *p* Armagh	196	54	5th	32	28, 1, 2	48·0	39·1	43·4	+ 3·0	5	0·76	19	+ 6	0·4	- 2·3	4	3	29	39·4	-1·4	41·0	-1·9	Armagh.
a Donaghadee	101	54	5th	31	1st	47·9	37·1	42·3	+ 1·1	7	0·63	16	+ 2	*	*	*	*	*	*	*	*	*	*
														*	*	*	1	30	41·1	-0·6	41·7	-2·1	Trinity Coll.
10. IRELAND, S.														1·9	- 1·2	18	3	27	*	*	*	*	Phœnix Park.
p Dublin, City	47	56	5th	33	2nd	50·6	41·6	46·0	+ 3·3	6	0·24	6	- 5	*	*	*	0	31	*	*	*	*	Dublin City.
a, East .. *a* Kilkenny	212	57	5th	29	2nd	51·4	38·0	44·5	+ 3·2	4	0·33	8	- 7	*	*	*	*	*	*	*	*	*	*
a Waterford	30	59	5th	32	2nd	50·9	39·7	45·1	+ 3·1	3	0·40	10	- 9	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*57*	*5th*	*32*	*1, 2*	*51·0*	*39·7*	*44·8*	—	*4*	*0·35*	*9*	—	*2·9*	—	*27*	2	30	*	*	*	*	*Seskin.*
																	*	*					
a Birr Castle	175	59	5th	21	2nd	51·3	36·9	43·9	+ 3·1	5	0·59	15	+ 2	2·0	- 0·9	19	*	*	*	*	*	*	Birr Castle.
a Foynes	50	56	4th	36	1, 2	50·7	41·1	45·8	+ 3·0	6	0·48	12	- 6	*	*	*	*	*	*	*	*	*	*
a Cahir	199	57	5th	31	2nd	51·0	38·4	44·5	+ 2·7	5	0·65	17	—	*	*	*	*	*	*	*	*	*	*
b, West .. *a* Killarney ..	174	57	4, 5	34	2nd	52·6	41·4	46·8	+ 4·0	7	0·75	20	- 9	*	*	*	*	*	*	*	*	*	*
a Valencia	30	54	5th	35	2nd	50·3	42·9	46·5	+ 2·1	7	0·75	19	- 9	1·6	- 1·5	15	*	*	*	*	*	*	Valencia.
a Roche's Point ..	32	58	5th	36	2nd	50·9	40·0	45·3	+ 1·9	4	0·47	12	- 7	2·7	*	25				*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	4th	41	2, 3	49·7	43·6	46·6	+ 1·4	6	0·35	9	- 6	3·5	- 0·2	33	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	52	4th	38	2nd	49·7	42·6	46·1	+ 2·6	2	0·24	6	- 7	3·4	- 0·5	32	*	*	*	*	*	*	St. Heliers
a Guernsey (Villa Carey)	180	52	4th	39	2nd	50·0	42·4	46·1	+ 2·1	3	0·20	5	- 11	3·7	- 0·1	35	1	29	44·0	+0·8	44·9	-0·1	Guernsey†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, March 6th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind						Extreme Velocities.					
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	Highest Hourly Wind.			Highest Gust with Date and Time.		
			Dates of Occurrence.	Total Duration.	Dates of Occurrence.	Total Duration	Total Duration.	Total Duration.	Direction and Velocity.		Date and Hour.			
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.		m/s.	d.	h. m.
1. SCOTLAND, E.														
Dyce	75	15	—	—	—	—	22§	121§	SE. by S.	7	3rd 5h.	15	3rd	7 . 5
Aberdeen°	105	37	—	—	—	—	69	99	NW.	10	5th 24h	17	5th	23 . 42
		52												
Edinburgh	39	31	—	—	4 to 6	18	98	52	W. by S.	14	5th 22h.	22	5th	19 . 35
6. SCOTLAND, W.														
Eskdalemuir	50	22	—	—	1. 4 to 6	26§	71§	58§	SW. by W.	16	5th 12h.	23	5th	22 . 25
Paisley (Coats Obs.)	81	52	—	—	4, 6	2	73	93	W.	11	4th 22h.	23	4th	21 . 55
2. ENGLAND, N.E.														
Alnwick Castle ..	70	17	—	—	5th	3	54	111	WSW.	11	5th 9h.	20	4th	22 . 55
South Shields ..	61	12	—	—	28, 5, 6	14	82	72	W. by N.	15	5th 23h.	23	5th	20 . 45
Spurn Head	40	—	—	—	28, 1	21§	36§	1§	NW.	17	1st 10h.	22	1st	9 . 55
3. ENGLAND, E.														
Gorleston	42	—	—	—	1, 3	4	89	75	—	14	1st 13h.	22	1st	13 . 4
Shoeburyness ..	90	—	—	—	28, 1	8§	114§	45§	NW.	13	1st 14h.	24	1st	1 . 1
4. MIDLAND COUNTIES.														
Benson	84	—	—	—	28, 1	7	100	61	W.	11	1st 10h.	21	1st	13 . 0
5. ENGLAND, S.E.														
Dover‡	40	—	—	—	6th	1§	49§	3§	—	13	6th 17h.	20	6th	16 . 35
Warlingham	33	5	—	—	—	—	98	70	—	10	1st 10h.	19	28th	9 . 55
Brighton	53	6	—	—	1st	6§	76§	49§	—	13	1st 12h.	22	1st	12 . 42
Kew†	65	7	—	—	1st	2	60	106	WNW.	11	1st 11h.	23	1st	15 . 53
		22												
South Kensington ..	92	30	Instrument dismounted.											
7. ENGLAND, N.W.														
Carnforth	56	23	—	—	28, 1	9	74	85	W.	13	28th 16h.	19	28th	16 . 5
Southport	62	48	28, 1	16	28 to 2, 5, 6	57	40	55	W. by N.	22	1st 6h.	30	1st	5 . 10
Holyhead*	40	—	1st	10	28 to 2, 5, 6	52	95	11	W. by N.	21	1st 6h.	28	1st	4 . 35
8. ENGLAND, S.W.														
Pendennis Castle* ..	65	24	—	—	28 to 3, 5, 6	53§	65§	26§	W.	15	28th 24h.	23	28th	23 . 58
													1st	0 . 50
Plymouth	88	2	—	—	— .	—	60	108	—	9	1st 1h.	18	1st	1 . 25
10. IRELAND, S.														
Quilty	40	—	—	—	28, 1, 3 to 6	49	114	5	—	17	28th 18h.	29	28th	20 . 15
Weaver Pt.	30	—	—	—	3, 6	3	115	50	—	12	6th 13h.	18	28th	23 . 15
11. ENGLISH CHANNEL.														
Scilly*	19	—	28, 1	4	28, 1, 6	54	80	30	WNW.	18	1st 2h.	29	1st	2 . 10

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 4th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Record defective until 8 p.m. on the 4th.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

NINTH WEEK—February 28th to March 6th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	25	44·1	35·2	39·6	+ 1·7	6	0	25	− 11	7	+ 2	2·05	52	+ 29	2·1	−0·3	20	1002
Eastern.																			
1. SCOTLAND, EAST ...	54	21	44·6	34·1	39·2	+ 1·9	7	0	28	− 13	6	+ 2	0·73	19	+ 6	2·6	−0·1	25	1003
2. ENGLAND, N.E. ...	58	29	47·8	37·4	42·4	+ 3·7	22	+ 12	13	− 20	5	+ 1	0·35	9	0	2·7	−0·3	26	1008
3. ENGLAND, EAST ...	57	31	49·2	38·4	43·7	+ 4·9	27	+ 14	10	− 27	5	0	0·59	15	+ 6	3·1	0·0	29	1011
4. MIDLAND COUNTIES ...	59	29	49·6	38·4	43·9	+ 5·1	28	+ 14	10	− 26	4	0	0·47	12	+ 1	2·7	0·0	25	1013
5. ENGLAND, S.E.	57	31	49·3	39·5	44·3	+ 4·3	27	+ 12	7	− 22	4	0	0·41	10	− 2	2·8	−0·3	26	1010
Western.																			
6. SCOTLAND, WEST ...	52	28	45·9	36·9	41·3	+ 2·2	11	+ 2	20	− 10	6	+ 2	1·42	36	+ 15	1·8	−0·8	17	1007
7. ENGLAND, N.W.	54	29	46·9	39·1	42·9	+ 3·4	18	+ 7	8	− 21	6	+ 3	0·84	21	+ 7	1·4	−1·4	14	1011
8. ENGLAND, S.W.	56	31	48·7	39·9	44·2	+ 3·2	24	+ 7	6	− 18	5	+ 2	0·66	17	− 1	2·4	−0·8	22	1016
9. IRELAND, NORTH ...	59	21	48·7	38·5	43·5	+ 3·0	25	+ 10	10	− 15	6	+ 1	0·74	19	+ 2	0·9	−1·8	8	1008
10. IRELAND, SOUTH ...	59	21	51·1	40·0	45·4	+ 3·2	32	+ 11	6	− 13	5	+ 1	0·52	13	− 6	2·1	−1·1	19	1015
11. ENGLAND CHANNEL ...	52	38	49·8	42·9	46·3	+ 2·5	30	+ 7	0	− 9	4	0	0·26	7	− 8	3·5	−0·1	33	1019

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 1 Week, February 28th to March 6th, 1915.

0. SCOTLAND, NORTH ...	51	25	44·1	35·2	39·6	*	6	0	25	− 11	7	+ 2	2·05	52	+ 29	2·1	−0·3	20	1002
Eastern.																			
1. SCOTLAND, EAST ...	54	21	44·6	34·1	39·2	*	7	0	28	− 13	6	+ 2	0·73	19	+ 6	2·6	−0·1	25	1003
2. ENGLAND, N.E.	58	29	47·8	37·4	42·4	*	22	+ 12	13	− 20	5	+ 1	0·35	9	0	2·7	−0·3	26	1008
3. ENGLAND, EAST ...	57	31	49·2	38·4	43·7	*	27	+ 14	10	− 27	5	0	0·59	15	+ 6	3·1	0·0	29	1011
4. MIDLAND COUNTIES ...	59	29	49·6	38·4	43·9	*	28	+ 14	10	− 26	4	0	0·47	12	+ 2	2·7	0·0	25	1013
5. ENGLAND, S.E.	57	31	49·3	39·5	44·3	*	27	+ 12	7	− 22	4	0	0·41	10	− 2	2·8	−0·3	26	1010
Western.																			
6. SCOTLAND, WEST ...	52	28	45·9	36·9	41·3	*	11	+ 2	20	− 10	6	+ 2	1·42	36	+ 15	1·8	−0·8	17	1007
7. ENGLAND, N.W.	54	29	46·9	39·1	42·9	*	18	+ 7	8	− 21	6	+ 3	0·84	21	+ 7	1·4	−1·4	14	1011
8. ENGLAND, S.W.	56	31	48·7	39·9	44·2	*	24	+ 7	6	− 18	5	+ 2	0·66	17	− 1	2·4	−0·8	22	1016
9. IRELAND, NORTH ...	59	21	48·7	38·5	43·5	*	25	+ 10	10	− 15	6	+ 1	0·74	19	+ 2	0·9	−1·8	8	1008
10. IRELAND, SOUTH ...	59	21	51·1	40·0	45·4	*	32	+ 11	6	− 13	5	+ 1	0·52	13	− 6	2·1	−1·1	19	1015
11. ENGLAND CHANNEL ...	52	38	49·8	42·9	46·3	*	30	+ 7	0	− 9	4	0	0·26	7	− 8	3·5	−0·1	33	1019

THE YEAR.—Aggregates, &c., for the Period of 9 Weeks, January 3rd, 1915, to March 6th, 1915.

0. SCOTLAND, NORTH ...	54	12	42·6	33·7	38·2	*	39	− 21	285	− 45	50	+ 4	12·45	317	+ 39	1·3	−0·1	16	999
Eastern.																			
1. SCOTLAND, EAST ...	55	13	42·0	32·0	37·1	*	28	− 40	357	− 20	42	+ 7	6·39	163	+ 37	1·6	−0·4	20	1000
2. ENGLAND, N.E.	58	23	43·8	34·8	39·3	*	64	− 16	235	− 66	44	+11	5·41	137	+ 50	1·7	−0·3	20	1002
3. ENGLAND, EAST ...	57	18	44·5	35·3	39·9	*	87	− 3	227	−112	48	+14	6·20	157	+ 72	1·8	−0·4	21	1004
4. MIDLAND COUNTIES ...	59	21	44·8	34·2	39·6	*	100	− 4	256	− 80	39	+ 6	6·58	167	+ 60	1·9	0·0	21	1005
5. ENGLAND, S.E.	57	15	45·7	36·1	41·0	*	128	+ 10	194	− 65	40	+ 8	8·22	209	+ 96	2·0	−0·1	22	1005
Western.																			
6. SCOTLAND, WEST ...	53	20	43·5	34·3	39·0	*	52	− 37	259	− 3	46	+ 6	10·95	279	+ 54	1·9	+0·2	23	1001
7. ENGLAND, N.W.	56	21	44·2	35·9	40·1	*	81	− 13	202	− 49	40	+ 4	8·53	216	+ 72	2·0	+0·2	23	1003
8. ENGLAND, S.W.	56	17	45·6	36·7	41·2	*	120	− 31	179	− 20	47	+11	10·72	273	+ 95	2·2	0·0	25	1005
9. IRELAND, NORTH ...	59	20	44·6	34·7	39·7	*	94	− 31	235	+ 18	47	+ 5	8·27	211	+ 43	1·8	−0·1	20	1000
10. IRELAND, SOUTH ...	59	21	46·3	36·1	41·2	*	130	− 56	193	+ 28	50	+12	10·01	256	+ 64	2·4	+0·2	27	1004
11. ENGLAND CHANNEL ...	54	27	47·9	39·9	44·0	*	193	− 26	90	+ 11	49	+ 8	8·99	229	+ 79	2·7	0·0	29	1007

W. N. SHAW, Director.
Meteorological Office, South Kensington, March 10th, 1915.

E. GOLD, Superintendent of Statistical Division.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 37

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 10. TENTH WEEK, SUNDAY, MARCH 7TH, TO SATURDAY, MARCH 13TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d*

I.—Remarks.

Some showers of rain, sleet, or snow were experienced in most places early in the week, but generally the weather was dry, although there was a good deal of cloud, and occasional mist or fog. At several stations the total rainfall was less than 2 mm., and at Crieff the week was rainless. Temperature was above the normal, except in Ireland S. In Scotland N. the excess was as much as 4·7°, in Scotland E. 3·8°, and in England N.E. 2·6°. Elsewhere it was considerably less. On the 9th the thermometer fell to 22° at Markree Castle, 24° at West Linton, 25° at Cally, Gatehouse, and to below 32° over the Kingdom generally. The maximum readings recorded on the 12th and 13th were high for the time of the year in the N. and N.E.; 61° at Crieff on the 12th, and 62° at Alnwick Castle and Rounton on the 13th. At Hereford on the latter date the thermometer rose to 60°, and in several other localities touched 57° or 58°. Bright sunshine was deficient except over Ireland and in Scotland. Aurora was observed at Deerness, Aberdeen, and Carrick-on-Suir on the 7th, and again at Aberdeen on the 9th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ... Warmth ...	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Rainfall ...	Very light	Very light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light
Sunshine ...	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Abundant	Scanty

THE SEASON.

SPRING, 2 weeks from Feb. 28th, 1915. Warmth ...	1, 1, 0	1, 1, 0	2, 0, 0	1, 1, 0	1, 1, 0	1, 1, 0	0, 2, 0	0, 2, 0	0, 2, 0	1, 1, 0	1, 1, 0	0, 2, 0
Rainfall ...	1, 0, 1	1, 0, 1	0, 1, 1	1, 0, 1	0, 1, 1	0, 1, 1	1, 0, 1	1, 0, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1
Sunshine ...	0, 2, 0	0, 2, 0	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 2, 0	0, 1, 1	1, 0, 1	0, 1, 1

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks. Warmth ...	3, 5, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks. Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Mar. 13th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	—	—	—	—	IRELAND, S.W. Cleggan	47	45	45·8	+1·5
Wick	43	42	42·4	−0·4	ENGLAND, N.E. Burnmouth, Berwick	43	41	42·0	+2·7
SCOTLAND, W. Ballantrae	46	42	43·9	+1·1	ENGLAND, E. Shipwash Lightship	—	—	—	—
ENGLAND, S.W. Scilly	50	46	47·7	—	ENGLAND, S.E. Eastbourne‡	44	42	43·0	+1·6
Plymouth‡	47	46	46·6	+0·7	ENGLAND, N.W. Port Erin	—	—	—	—
IRELAND, N.W. Sheephaven	47	43	45·0	+0·2					

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4323—19.) Wt. 229—611. 450. 3/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average	Percentage of possible duration	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	-		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*	*48*	*11th*	*35*	*7th*	*45·5*	*39·0*	*42·2*	—	*7*	*0·42*	*11*	—	*1·5*	—	*14*	*	*	40·1	*	*	*	*Baltasound.*
a Lerwick	54	50	11th	34	7th	45 3	37·7	41·4	+ 3·0	7	0·43	11	—	1·0	- 1·9	9	*	*	*	*	*	*	Deerness.
a Stornoway	51	52	12th	34	8th	48·7	37·7	43 0	+ 3·8	6	0·20	5	- 19	2·9	0·0	27	*	*	*	*	*	*	Stornoway.
a Castlebay, Barra Isd.	*37*	*51*	*13th*	*36*	*9th*	*47·6*	*40·0*	*43·7*	+ 2·7	*4*	*0·16*	*4*	—	*4·1*	—	*38*	*	*	*	*	*	*	*Castlebay.*
a Wick	81	55	10th	35	9th	48·9	37·0	42·8	+ 4·1	6	0·16	4	- 9	*	*	*	*	*	*	*	*	*	
p Strathpeffer	200	55	13th	33	8th	49 4	38·3	43·7	+ 5·6	1	0·02	1	- 15	3·0	+ 0·3	28	*	*	*	*	*	*	Strathpeffer.
p Glencarron	500									6	0·45	11	- 34	*	*	*	*	*	*	*	*	*	
p Fort Augustus	68	56	13th	31	9th	49·6	37·6	43·4	+ 4·8	2	0·04	1	- 22	2·9	+ 0·7	27	*	*	*	*	*	*	Fort Augustus.
p Fort William	171	55	13th	29	9th	49·0	36·6	42·6	+ 2 8	3	0 11	3	- 38	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																							
p Gordon Castle	101	57	12, 13	30	8th	49·7	37·1	43·2	+ 3·7	2	0·08	2	- 11	2·1	—	19	3	24	37·5	+0·6	37·5	-0·4	Crathes.
a Nairn	82	55	10, 12, 13	32	9th	49·7	36·7	43·0	+ 4·2	2	0 04	1	- 10	*3·2*	—	*29*	*	*	*	*	*	*	*Gordon Castle.*
a Aberdeen	46	60	13th	32	9th	51·0	37·7	44·2	+ 5·0	2	0·20	5	- 8	3·6	—	33	*	*	*	*	*	*	Nairn.
a Balmoral	930	57	12th	25	10th	51·0	31·4	40·9	+ 5·9	1	0·03	1	- 16	3·1	- 0·3	28	*	*	*	*	39·5	+0·3	Aberdeen.
p Crieff	432	61	12th	28	9th	51·3	33·1	41·9	+ 2·8	0	0·00	0	- 18	*	*	*	5	23	*	*	*	*	Balmoral.
a Leith	18	58	13th	23	9th	49·1	37·0	42·9	+ 2·4	1	0·01	0·3	- 8·7	1·9	—	17	*	*	*	*	*	*	Balruddery.
a West Linton	769	52	12, 13	24	9th	44·3	29·3	36·6	+ 0·4	2	0·12	3	—	*	*	*	*	*	*	*	*	*	
p Marchmont	498	55	13th	31	8, 9	47·9	35·4	41·5	+ 3·5	2	0·26	7	- 7	*1·1*	—	*10*	6	19	*	*	*	*	*West Linton.*
a Edinburgh	*441*	*55*	*13th*	*34*	*9th*	*46·6*	*37·6*	*42·0*	—	*1*	*0·05*	*1*	—	2·6	- 0·5	24	4	28	*	*	*	*	Marchmont.
														1·7	—	16	1	26	*	*	*	*	Edinburgh.
6. *a*, SCOTLAND, W.																							
a Poltalloch	132													*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	189	53	13th	32	9th	47·9	37·9	42·8	+ 3·2	2	0·05	1	- 14	2·5	+ 0·2	23	2	25	*	*	*	*	Glasgow.
p Rothesay‡	170	52	11th	30	9th	47·7	37 3	42·4	+ 1·8	2	0·12	3	- 17	*2·8*	—	*26*	3	24	40·9	*	41·7	-0·2	*Rothesay.*
a Kilmarnock	90	52	11th	28	9th	47·6	33 6	40·4	+ 0·6	1	0·17	4	—	*2·4*	—	*22*	*	*	*	*	*	*	*Kilmarnock.*
a Colmonell	170	52	11th	26	9th	46·9	32·1	39·3	- 0·6	2	0·15	4	- 13	*	*	*	3	22	*	*	*	*	
a Dumfries	160	54	12, 13	31	9th	48·3	36·3	42·1	+ 2·1	1	0·01	0	- 17	*2·9*	—	*27*	4	25	39·7	*	39·9	*	*Dumfries.*
Eskdalemuir ‡	*799*	*55*	*12th*	*26*	*9, 10*	*45·9*	*31·6*	*38·5*	—	*3*	*0·16*	*4*	—	*2·6*	—	*24*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse	120	55	13th	25	9th	49·4	32·6	40·8	+ 1·2	1	0·12	3	- 20	*	*	*	*	*	*	*	*	*	
b. I. OF MAN. *p* Douglas	277	49	11, 13	31	9th	46·4	37·7	41·9	+ 1·0	1	0·04	1	- 17	3 7	+ 0·1	34	4	24	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	219	61	13th	33	8, 10	51·4	36·7	43·8	+ 4·4	4	0·31	8	- 5	3·2	—	29	4	27	39·7	+3·0	40·3	+1·2	Cockle Park.
a Tynemouth	71	55	13th	33	10th	47·6	37·4	42·4	+ 2·4	4	*0·32*	8	- 2	*	*	*	*	*	*	*	*	*	*Tynemouth.*
p Durham	336	68	13th	31	9th	48·6	25·1	41·7	+ 2·9	3	0 27	7	- 3	2·8	- 0·4	26	4	28	*	*	*	*	Durham.
a, North ..< *p* Rounton	249	62	13th	30	10th	48·9	34·6	41·5	+ 2 7	5	0·22	6	- 4	*	*	*	5	26	39·9	*	*	*	Rounton.
a West Witton	*605*	*54*	*11th*	*32*	*8, 9*	*48·1*	*36 1*	*41·9*	-	*3*	*0·09*	*2*	—	*	*	*	3	29	39·3	*	38·2	*	*West Witton.*
p Scarborough	100	59	13th	32	9th	48·3	37·3	42·6	+ 2·5	3	0·06	2	- 9	2·0	—	18	*	*	*	*	41·0†	*	Scarborough.
p York	56	58	13th	31	9th	49·1	35·9	42·3	+ 2·1	3	0·11	3	- 6	2·0	- 0·9	18	*	*	41·2	+2·7	41·6	+1·1	York.
a Spurn Head	26	52	13th	32	9th	45·6	36·3	40·8	+ 0·7	2	0·28	7	- 1	*2·4*	—	*22*	*	*	*	*	*	*	*Spurn Head.*
b, South ..< *a* Lincoln	58	59	13th	28	9th	48·9	35·6	42·1	+ 1·8	4	0·08	2	- 7	*	*	*	*	*	40·9	+3·5	41·5	+1·8	Lincoln.
a Fulbeck	180	57	13th	28	9th	47·7	36·3	41·8	+ 1·6	3	0·08	2	- 7	2·3	—	21	3	28	42·4	+2·9	42·8	+1·0	Rauceby.
														2·7	—	25	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
p Cromer	196	51	13th	34	8th	44·3	37·6	40·9	+ 1·7	3	0·05	1	—	2·4	—	22	*	*	*	*	*	*	Cromer.
p Little Massingham	280	54	13th	31	9th	45·3	35·4	40·2	+ 0·4	5	0·34	9	- 2	2·2	- 1·1	20	2	27	*	*	*	*	Lit. Massingham
a, North ..< *p* Yarmouth	17	55	13th	33	9th	46·9	36·3	41·0	+ 1·6	4	0·16	4	- 5	2·1	—	19	*	*	41·4	+2·1	43·0	+0·8	Yarmouth.
a Norwich	93	54	13th	33	9th	46·1	37·0	41·4	+ 1·8	3	0·14	4	—	*1·9*	—	*17*	2	26	40·9	*	*	*	*Norwich.*
a Geldeston	37	58	13th	33	9, 10	48·0	36·7	42·2	+ 2·1	1	0·03	1	- 7	2·2	- 1·4	20	*	*	*	*	*	*	Geldeston.
p Cambridge	41	56	13th	32	10th	46·9	37·0	41·8	+ 1·4	4	0·12	3	- 5	1·6	- 1·9	14	3	29	42·5	+2·9	43·2	+1·3	Cambridge.
a Clacton-on-Sea	54	53	13th	34	8–10	45·7	36·4	40·9	+ 1·0	3	0·24	6	—	1·6	—	14	1	28	41·7	+1·4	43·8	+0·5	Clacton.
b, South ..< *a* Rothamsted	424	48	11th	31	9th	44·3	35·9	40·0	+ 0·4	5	0·15	4	- 7	1·1	- 2·2	10	2	24	40·3	*	*	*	Rothamsted.
p Tottenham	51	50	7, 12, 13	34	9th	46·6	37·9	42·1	+ 1·3	2	0·06	2	—	1·4	—	13	*	*	*	*	43·7	+1·2	Tottenham.
4. MIDLAND COUNTIES.																							
a North ..< *a* Harrogate	479	53	13th	30	10th	46·4	35·0	40·5	+ 1·7	4	0·19	5	- 7	2·7	—	25	3	25	40·4	+2·3	40·7	+1·3	Harrogate.
p Buxton	*987*	*47*	*12th*	*26*	*9th*	*43·0*	*34 9*	*38·8*	+ *1·8*	*6*	*0·22*	*6*	- *17*	*1·8*	—	*16*	4	21	38·7	+1·4	39·2	-1·1	*Buxton.*
a Bawtry	65	55	13th	27	9th	48·0	35·6	41·8	+ 1·3	3	0·05	1	- 8	2·1	—	19	2	24	40·6	+2·9	40·9	+0·8	Sheffield.
a Nottingham	82	53	13th	31	9th	47·4	36·1	41·6	+ 1·6	2	0·16	4	- 5	1·9	- 1·0	17	4	19	41·4	*	41·9	*	Worksop.
b, East ..< *p* Birmingham, Edgbsn.	535	51	11th	29	9th	46·3	36·9	41·0	+ 1·2	1	0·05	1	- 9	1·5	—	14	3	27	40·4	+2·9	40·3	+1·2	Nottingham.
a Raunds	203	53	13th	29	9th	47·6	35·1	41·2	+ 1·4	4	0·23	6	—	1·1	—	10	2	24	41·0	+1·7	43·4	+0·5	Birmingham.
p Oxford	208	53	11th	32	9th	47·7	36·0	41·7	+ 0·9	3	0 07	2	- 7	*1·8*	—	*16*	4	27	42·3	*	44·0	*	*Raunds.*
														1·6	- 1·6	14	5	28	*	*	*	*	Oxford.
a Cheadle	646	50	11th	28	9th	44·4	36·4	40·3	+ 1·4	1	0·05	1	- 12	*	*	*	2	24	*	*	*	*	Cheadle.
p Shrewsbury	191	53	12th	27	9th	49·0	35·3	42·0	+ 0·9	1	0 02	1	—	*	*	*	4	22	*	*	*	*	Shrewsbury.
c, West ..< *a* Hereford§	291	60	13th	28	9th	49·4	34 1	41·5	+ 0·6	1	0·05	1	- 9	*3·3*	—	*30*	4	23	41·1	*	42·3	*	*Malvern.*§
a Cirencester	446	55	13th	27	9th	46·8	33·7	40·1	+ 0·7	2	0·06	2	- 10	3·2	- 0·2	29	3	25	41·5	*	42·4	*	Cirencester.
a Bath	66	56	13th	28	9th	49·0	35·0	41·8	+ 0·6	2	0 16	4	- 8	2·4	—	22	*	*	42·2	+1·4	43·1	-0·3	Bath.
5. ENGLAND, S.E																							
a Marlborough	424	55	13th	30	9th	47·3	34·9	40·9	+ 1·3	2	0·15	4	- 10	2·4	—	22	2	30	42·8	+1·9	44·1	+1·0	Worthing.
a Margate	53	49	11, 13	33	9th	45·0	31·7	41 2	+ 0·4	4	0·18	5	- 4	2·3	- 0·6	21	4	27	43·7	*	46·3	*	Marlborough.
a Wisley, Surrey	150	51	11th	33	10th	46·3	36·6	41·3	- 0·2	3	0·06	2	—	1·1	- 2·3	10	0	32	42·2	+1·9	43·1	+1·4	Margate.
a Salisbury (Wilton)	180	58	13th	31	9th	48·9	36·3	42·4	+ 1·8	2	0·14	4	- 9	1·5	—	14	3	23	41·8	+2·1	42·7	+0·6	Wisley.
a Tunbridge Wells	354	55	12th	32	10th	46·9	37·3	42·0	+ 1·9	2	0·03	1	- 12	*	*	*	3	26	43·0	*	*	*	Salisbury.
														2·1	- 1·3	19	1	25	41·7	+2·6	42·5	*	Tunbridge Wells.
a Dungeness	21	52	13th	32	10th	45·3	36·9	41·0	+ 0·3	1	0·03	2	- 7	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings	178	53	13th	32	9th	46·1	37·3	41·8	+ 0·6	3	0·26	7	- 5	?1·6	- 2·3	14	2	30	41·8	*	43·2	*	Hastings.
p Southampton	64	55	13th	33	8, 9	48·1	37·1	42·4	- 0·2	3	0·10	3	- 10	2·2	- 1·4	20	2	25	*	*	*	*	Southampton.
a Ventnor	59	54	13th	33	9th	48·6	38·4	43·4	+ 0·7	2	0·08	2	- 10	2·7	- 1·3	24	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	51	11th	34	8–10	46·9	36·7	41·7	+ 0·8	4	0·08	2	- 7	1·3	- 1·6	12	2	24	42·1	+2·3	43·5	+0·9	Kew.
a Westminster	*27*	*50*	*11–13*	*35*	*9, 10*	*46·8*	*38·2*	*42·4*	+ *1·2*	*2*	*0·04*	*1*	- *9*	*0·8*	- *1·1*	*7*	1	30	*	*	*	*	*Westminster.*
a Greenwich	*155*	*50*	*11th*	*33*	*9th*	*46·1*	*37·6*	*41·7*	+ *0·1*	*3*	*0·05*	*1*	- *9*	*1·1*	- *1·7*	*10*	3	27	*	*	*	*	*Greenwich.*
c Hampstead	*450*	*48*	*8, 13*	*30*	*10th*	*44·9*	*34·5*	*39·6*	—	*2*	*0·07*	*2*	—	*0·7*	—	*6*	5	20	*	*	*	*	*Hampstead.*
a Camden Square	*119*	*50*	*11–13*	*33*	*10th*	*47·1*	*37 4*	*42·1*	—	*3*	*0·07*	*2*	—	*1·2*	—	*11*	2	21	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	52	13th	28	9th	47·3	35·3	41·1	+ 2·1	2	0·25	6	- 10	3·1	—	28	*	*	*	*	*	*	Hoylake.
p Newton Rigg	559	54	12th	27	9th	47·4	34·3	40·7	+ 2·7	2	0·06	2	- 14	2·2	—	20	2	23	41·2	*	42·2	*	Aspatria.
p Stonyhurst	375	51	12th	31	9th	46·6	33·7	41·5	+ 2·2	2	0·33	8	- 13	3·5	+ 0·4	32	0	20	40·9	+1·9	39·9	+0·2	Newton Rigg.
p Blackpool	66	48	11, 12	31	9th	45·7	38·3	41·9	+ 1·7	1	0·20	5	- 9	1·9	- 1·0	17	4	20	*	*	*	*	Stonyhurst.
a Southport	*37*	*47*	*11–13*	*31*	*9th*	*45·0*	*37·9*	*41·4*	+ *1·0*	*1*	*0·18*	*5*	- *6*	2·7	- 0·3	25	3	25	41·9	*	42·9	*	Blackpool.
a Liverpool (Bidston)	188	47	11–13	34	9th	45·1	37·9	41·4	0·0	1	0·08	2	- 11	*2·0*	*- 1·1*	*18*	3	23	41·5	+2·9	41·5	+1·1	*Southport.*
a Hawarden Bridge	*22*	*51*	*12th*	*32*	*9th*	*47·7*	*38·7*	*43·1*	+ *2·4*	*2*	*0·03*	*1*	- *10*	*2·6*	—	*24*	*	*	*	*	*	*	*Liverpool.*
p Manchester (Whit. Pk.)	125	53	12th	32	9th	46 7	38·4	42·4	+ 0·9	3	0·20	5	- 4	*1·1*	—	*10*	1	29	40·8	+2·6	42·1	+0·5	*Manchester (City)*
														0·6	*- 1·3*	*5*	*	*	*	*	*	*	" (*Whit. Park*).
b NORTH WALES.																							
p Llandudno	71	51	12th	34	9, 10	47·3	37·1	42·1	0·0	2	0·04	1	- 12	3·3	+ 0·1	30	*	*	*	*	*	*	Llandudno
a Holyhead	15	50	11th	33	9th	47·1	36·1	42·5	+ 0·4	1	0·08	2	- 13	*3·7*	—	*34*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*52*	*12th*	*27*	*9th*	*47·9*	*34·7*	*41·1*	- *0·5*	*3*	*0·19*	*5*	—	*3·4*	—	*31*	*	*	41·6	+1·9	43·0	+0·4	*Bettws-y-Coed.*
														2·9	—	26	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Difference from average.	Earth 4 ft. Mean.	Difference from average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°				°	°	°	°		in.	mm.	mm	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														2·4	—	22	*	*	*	*	*	*	
a Llangammarch Wells	550	51	12th	24	9th	46·9	32·9	39·7	+ 0·3	2	0·07	2	—	2·3	—	21	5	18	40·8	+1·4	43·3	+0·5	Aberystwyth.
a Pembroke	149	51	12th	33	9, 10	46·6	38·0	42·2	- 0·1	2	0·16	4	- 10	3·2	- 0·5	29	*	*	*	*	*	*	Llangammarch.
p Cardiff	202	58	13th	30	9th	48·3	36·0	42·0	+ 0·4	2	0·08	2	- 16	*2·9*	—	*26*	5	23	41·9	+2·2	43·0	+0·6	Pembroke.
																							Cardiff.
b, ENGLAND, S.W.																							
a Clifton	229	55	13th	30	9th	48·0	36·4	42·0	+ 0·7	3	0·20	5	- 8	*3·0*	—	*27*	3	27	*	*	*	*	*Clifton.*
a Shaftesbury	722	54	13th	27	9th	45·0	33·4	39·0	- 0·5	2	0·13	3	- 10	*	*	*	*	*	41·6	*	43·0	*	Shaftesbury.
a Arlington	613	53	12, 13	27	9, 10	46·9	33·7	40·1	- 0·1	2	0·25	6	- 17	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*49*	*12th*	*31*	*9th*	*46·4*	*38·7*	*42·4*	*- 1·3*	*2*	*0·16*	*4*	*- 10*	4·0	+ 0·2	36	1	23	44·8	*	45·1	*	Newquay.
a Cullompton	202	54	12, 13	28	9th	49·3	37·3	43·1	+ 1·4	2	0·05	1	- 14	3·1	- 0·3	28	4	20	43·9	*	*	*	Cullompton.
a Portland Bill	19	49	12, 13	31	9, 10	46·7	38·4	42·4	0·0	2	0·04	1	—	*3·8*	—	*34*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	55	12th	30	9th	48·1	38·4	43·1	+ 0·1	2	0·19	5	- 11	3·2	- 0·5	29	*	*	43·8	+1·7	*	*	Plymouth.
a Falmouth	167	51	11th	30	9, 10	47·7	37·6	42·5	- 1·2	2	0·08	2	- 18	4·1	+ 0·1	37	2	21	45·7	*	45·7	*	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	49	11th	34	9th	46·6	39·3	42·8	+ 1·5	5	0·12	3	- 10	*4·1*	—	37	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	49	10, 13	35	9th	47·0	39·3	43·0	0·0	4	0·28	7	- 15	*	*	*	*	*	*	*	*	*	
p Markree Castle ..	122	53	13th	22	9th	49·6	35·4	42·3	+ 1·4	4	0·22	6	- 13	3·0	0·0	27	2	18	43·2	*	42·6	*	Markree Castle.
a Birr Castle	175	52	12th	27	8-10	48·3	33·0	40·4	- 0·7	4	0·28	7	- 6	*2·9*	*- 0·2*	*26*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	52	13th	27	9th	49·0	34·4	41·5	+ 0·8	1	0·10	3	- 10	2·9	0·0	26	4	21	41·6	+0·8	42·2	-0·8	Armagh.
a Donaghadee	101	50	13th	34	9, 10	46·4	37·6	41·9	+ 0·3	3	0·08	2	- 11	*	*	*	*	*	*	*	*	*	
														*	*	*	3	26	42·9	+1·3	42·7	-1·6	Trinity Coll.
10. IRELAND, S.														2·8	- 0·7	25	4	21	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	52	12, 13	33	9th	48·7	37·7	43·0	+ 0·1	2	0·14	4	- 7	*	*	*	1	30	*	*	*	*	Dublin City.
a Kilkenny	212	51	13th	27	9th	47·7	35·1	41·2	- 0·4	4	0·12	3	- 11	*	*	*	*	*	*	*	*	*	
a Waterford	30	52	11th	30	9, 10	48·4	36·0	42·0	- 0·3	2	0·12	3	- 15	*	*	*	*	*	*	*	*	*	
a Seskin, Carrick-on-Suir	*541*	*52*	*13th*	*29*	*8th*	*47·7*	*35·1*	*41·2*	—	*3*	*0·18*	*5*	—	*4·0*	—	*36*	3	22	*	*	*	*	*Seskin.*
b, West .. { *a* Birr Castle	175	52	12th	27	8-10	48·3	33·0	40·4	- 0·7	4	0·28	7	- 6	2·9	- 0·2	26	*	*	*	*	*	*	Birr Castle.
a Foynes	50	51	12, 13	30	9th	48·4	38·9	43·5	+ 0·4	3	0·08	2	- 15	*	*	*	*	*	*	*	*	*	
a Cahir	199	54	13th	24	9th	49·0	36·1	42·4	+ 0·3	4	0·31	8	—	*	*	*	*	*	*	*	*	*	
a Killarney	174	58	13th	28	9th	52·9	35·7	44·1	+ 0·9	4	0·13	3	- 25	*	*	*	*	*	*	*	*	*	
a Valencia	30	53	13th	31	10th	49·7	37·6	43·5	- 1·1	2	0·12	3	- 24	6·3	+ 2·8	57	*	*	*	*	*	*	Valencia.
a Roche's Point ..	32	56	13th	34	9, 10	50·3	38·1	44·0	+ 0·1	4	0·16	4	- 13	5·4	*	49	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	13th	39	9, 10	48·7	42·3	45·4	0·0	3	0·16	4	- 10	3·2	- 0·8	29	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	53	12th	36	9th	47·9	40·0	43·8	- 0·1	3	0·20	5	- 8	2·4	- 1·8	22	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	51	12th	36	9, 10	47·6	39·9	43·6	- 0·8	2	0·16	4	- 11	1·8	- 2·4	16	1	27	44·5	+1·1	45·4	+0·4	Guernsey †

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, March 13th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Total Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	Total Duration	Fresh or Moderate Winds forces 4 and 5. Total Duration.	Calms and Light Airs. Total Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.		Date and Hour.		Highest Gust with Date and Time.		
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.			m/s.	d.	h. m.
1. SCOTLAND, E.															
Dyce	76	15	—	—	—	—	39	129	N.	8	7th	15h.	21	7th	14 . 2
Aberdeen*	105	37 / 52	—	—	7th	4	49	115	WNW.	13	7th	6h	20	7th	14 . 5
Edinburgh	39	31	—	—	—	—	71	97	W. by S.	9	12th	24h.	15	7th	21 . 20
6. SCOTLAND, W.															
Eskdalemuir	50	22	—	—	—	—	56	112	NNE.	11	8th	3h.	19	7th	21 . 50
Paisley (Coats Obs.)	81	52	—	—	—	—	11	157	NE. by N.	8	7th	17h.	16	7th	17 . 8
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields ..	61	12	—	—	7th	2	57	109	N.	12	7th	18h.	22	7th	23 . 55
Spurn Head	40	—	—	—	7th	14§	46§	88§	NNW.	15	7th	21h.	22	7th	20 . 55
3. ENGLAND, E.															
Gorleston	42	—	—	—	7, 8	15	39	114	—	13	8th	11h	19	7th	15 . 25
Shoeburyness ..	90	—	—	—	8th	7	43	118	NE.	12	8th	14h.	20	8th	9 . 20
4. MIDLAND COUNTIES.															
Benson	84	—	—	—	8th	1	40	127	N. by W.	11	8th	3h.	19	8th	2 . 40
5. ENGLAND, S.E.															
Dover	40	—	—	—	7, 8	27§	13§	8§	—	15	8th	17h.	24	8th	11 . 1
Warlingham	33	—	—	—	—	—	22	146	—	8	8th	12h.	16	8th	16 . 25
Brighton	53	6	—	—	—	—	—	—	—	—	—	—	—	—	—
Kew†	65	7 / 22	—	—	—	—	30	138	NE.	9	8th	13h.	20	8th	15 . 7
South Kensington ..	92	30	Instrument dismounted.												
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	—	—	8	160	N. by E.	7	7th	15h.	12	7th	14 . 55
Southport	62	48	—	—	7th	7	99	62	NW. by N.	13	7th	7h.	18	7th	7 . 2
Holyhead*	40	—	—	—	7, 8	12	71	85	NE.	14	8th	2h.	17	8th	1 . 55
8. ENGLAND, S.W.															
Pendennis Castle* ..	65	24	—	—	8th	2	99	67	NE.	12	8th	11h.	17	8th	10 . 30
Plymouth	88	2	—	—	—	—	13	155	—	8	7th	15h.	13	7th	14 . 37
10. IRELAND, S.															
Quilty	40	—	—	—	11th	1	65	102	—	11	11th	10h.	16	11th	9 . 45
Weaver Pt.	30	—	—	—	11th	1	42	125	—	12	11th	15h.	17	11th	14 . 55
11. ENGLISH CHANNEL.															
Scilly*	19	—	—	—	7, 11	4	61	109	NW.	11	7th	12h.	15	7th	11 . 40

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TENTH WEEK—March 7th to March 13th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Sunshine. Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Pressure Mean for the Week at M.S.L.
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	29	48·5	37·5	42·8	+ 4·7	25	+ 18	13	− 22	4	− 1	0·20	5	− 21	2·5	−0·1	23	1022
Eastern.																			
1. SCOTLAND, EAST ...	61	24	49·3	34·7	41·8	+ 3·8	20	+ 10	29	− 9	2	− 2	0·09	2	− 12	2·5	−0·6	23	1022
2. ENGLAND, N.E.	62	28	48·5	36·1	42·1	+ 2·6	25	+ 11	17	− 14	3	− 1	0·19	5	− 6	2·5	−0·9	23	1022
3. ENGLAND, EAST ...	58	31	45·9	36·7	41·2	+ 1·6	11	− 6	21	− 12	3	0	0·14	4	− 5	1·8	−1·6	16	1021
4. MIDLAND COUNTIES ...	60	27	47·4	35·4	41·2	+ 1·5	15	− 3	25	− 8	2	− 1	0·10	3	− 8	2·1	−1·0	19	1023
5. ENGLAND, S.E.	58	30	47·0	36·9	41·8	+ 1·0	14	− 5	20	− 6	3	0	0·12	3	− 8	1·9	−1·5	17	1022
Western.																			
6. SCOTLAND, WEST ...	55	25	47·7	35·4	41·4	+ 1·8	16	+ 5	26	− 3	1	− 3	0·09	2	− 19	3·1	+0·1	28	1024
7. ENGLAND, N.W.	54	27	46·7	37·0	41·7	+ 1·6	13	0	20	− 6	2	− 2	0·16	4	− 10	2·8	−0·2	25	1025
8. ENGLAND, S.W.	58	24	47·4	36·2	41·6	+ 0·1	15	− 5	23	+ 1	2	− 2	0·13	3	− 14	3·2	−0·2	29	1025
9. IRELAND, NORTH ...	53	22	47·8	36·5	42·0	+ 1·1	16	− 1	15	− 9	4	0	0·18	5	− 10	3·0	0·0	27	1026
10. IRELAND, SOUTH ...	58	26	49·3	36·5	42·7	+ 0·1	28	+ 5	15	− 4	3	− 1	0·16	4	− 14	4·4	+0·9	39	1027
11. ENGLISH CHANNEL ...	53	36	48·1	40·7	44·3	+ 0·1	22	− 3	4	− 5	3	− 1	0·17	4	− 11	2·5	−1·7	22	1024

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 2 Weeks, February 28th to March 13th, 1915.

0. SCOTLAND, NORTH ...	56	25	46·3	36·4	41·2	*	31	+ 18	38	− 33	11	+ 1	2·81	71	+ 22	2·3	−0·2	22	1012
Eastern.																			
1. SCOTLAND, EAST ...	61	21	47·0	34·4	40·5	*	27	+ 10	57	− 22	8	0	0·82	21	− 6	2·6	−0·3	24	1013
2. ENGLAND, N.E.	62	28	48·2	36·9	42·4	*	47	+ 23	30	− 34	8	0	0·54	14	− 6	2·6	−0·6	24	1015
3. ENGLAND, EAST ...	58	31	47·6	37·6	42·5	*	38	+ 8	31	− 39	8	0	0·73	19	+ 1	2·4	−0·8	23	1016
4. MIDLAND COUNTIES ...	60	27	48·5	36·9	42·6	*	43	+ 11	35	− 34	6	− 1	0·57	15	− 7	2·4	−0·4	22	1018
5. ENGLAND, S.E.	58	30	48·2	38·2	43·1	*	41	+ 7	27	− 28	7	0	0·53	13	− 10	2·3	−0·9	22	1016
Western.																			
6. SCOTLAND, WEST ...	55	25	46·8	36·2	41·4	*	27	+ 7	46	− 13	7	− 1	1·51	38	− 4	2·4	−0·4	23	1016
7. ENGLAND, N.W.	54	27	46·8	38·1	42·3	*	31	+ 7	28	− 27	8	+ 1	1·00	25	− 3	2·1	−0·8	20	1018
8. ENGLAND, S.W.	58	24	48·1	38·1	42·9	*	39	+ 2	29	− 17	7	0	0·79	20	− 15	2·8	−0·5	25	1021
9. IRELAND, NORTH ...	59	21	48·3	37·5	42·8	*	41	+ 9	25	− 24	10	+ 1	0·92	24	− 8	1·9	−0·9	18	1017
10. IRELAND, SOUTH ...	59	21	50·2	38·3	44·1	*	60	+ 16	21	− 17	8	0	0·68	17	− 20	3·2	−0·1	30	1021
11. ENGLISH CHANNEL ...	53	36	49·0	41·8	45·3	*	52	+ 4	4	− 14	7	− 1	0·43	11	− 19	3·0	−1·0	27	1022

THE YEAR.—Aggregates, &c., for the Period of 10 Weeks, January 3rd, 1915, to March 13th, 1915.

0. SCOTLAND, NORTH ...	56	12	43·2	34·1	38·7	*	64	− 3	298	− 67	54	+ 3	13·21	336	+ 32	1·4	−0·1	17	1001
Eastern.																			
1. SCOTLAND, EAST ...	61	13	42·7	32·3	37·5	*	48	− 30	386	− 29	44	+ 5	6·48	165	+ 25	1·7	−0·4	20	1002
2. ENGLAND, N.E.	62	23	44·2	34·9	39·6	*	89	− 5	252	− 80	47	+10	5·60	142	+ 44	1·8	−0·3	20	1004
3. ENGLAND, EAST ..	58	18	44·7	35·4	40·1	*	98	− 9	248	−124	51	+14	6·34	161	+ 67	1·8	−0·5	20	1006
4. MIDLAND COUNTIES ...	60	21	45·1	34·3	39·8	*	115	− 7	281	− 88	41	+ 5	6·68	170	+ 52	1·9	−0·1	21	1006
5. ENGLAND, S.E.	58	15	45·8	36·2	41·1	*	142	+ 5	214	− 71	43	+ 8	8·34	212	+ 88	2·0	−0·3	21	1007
Western.																			
6. SCOTLAND, WEST ...	55	20	43·9	34·4	39·2	*	68	− 32	285	− 6	47	+ 3	11·04	281	+ 35	2·0	+0·2	23	1003
7. ENGLAND, N.W.	56	21	44·4	36·0	40·3	*	94	− 13	222	− 55	42	+ 2	8·69	220	+ 62	2·1	+0·2	23	1005
8. ENGLAND, S.W.	58	17	45·8	36·6	41·2	*	135	− 36	202	− 19	49	+ 9	10·85	276	+ 81	2·3	0·0	25	1007
9. IRELAND, NORTH ...	59	20	44·9	34·9	40·0	*	110	− 32	250	+ 9	51	+ 5	8·45	216	+ 33	1·9	−0·1	21	1003
10. IRELAND, SOUTH ...	59	21	46·6	36·2	41·4	*	158	− 51	208	+ 24	53	+11	10·17	260	+ 50	2·6	+0·3	28	1006
11. ENGLISH CHANNEL ...	54	27	47·9	40·0	44·0	*	215	− 29	94	+ 6	52	+ 7	9·16	233	+ 68	2·7	−0·1	29	1009

W. N. SHAW, Director.
Meteorological Office, South Kensington, March 17th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. — 41

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America, the Continent of Europe and Abroad of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol XXXII. (New Series.) } No. 11. ELEVENTH WEEK, SUNDAY, MARCH 14TH, TO SATURDAY, MARCH 20TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s 0d.*

I.—Remarks.

The chief features of the weather were an unusually large range of temperature, 50° F. in Scotland, and a heavy fall of snow over a large portion of Scotland and northern and north-eastern England on the 17th or 18th. Thus, although the week was in the mean a week of normal temperature, half of it was unseasonably cold and the other half unseasonably mild. The depth of snow on the ground at Gordon Castle on the 17th, at Dumfries on the 18th, and at Buxton and West Witton on the 19th was 15 cm., at Marchmont on the 18th 19 cm., and at several stations in north-eastern England between 10 and 13 cm. In the drifts the depth was 136 cm. at West Witton and between 90 cm. and 182 cm. at Kirkcaldy. Snow or sleet was experienced also in the south and south-east but in a much slighter degree. Over Ireland and a considerable portion of southern Britain the week passed with little or no precipitation. Temperature was highest on the 14th, the thermometer rising above 55° very generally and above 60° in Scotland East, England North-East and the Midland Counties. Late in the period the air was much colder, and sharp frost occurred at night; at Balmoral the minimum on the 20th was as low as 11°.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate
	Rainfall ...	Light	Moderate	Heavy	Moderate	Light	Very light	Light	Moderate	Very light	Light	Very light	Nought
	Sunshine ...	Moderate	Abundant	Moderate	Scanty	Moderate	Scanty	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

SPRING, 3 weeks from Feb. 28th, 1915.	Warmth ...	1, 2, 0	1, 2, 0	2, 1, 0	1, 2, 0	1, 2, 0	1, 2, 0	0, 3, 0	0, 3, 0	0, 3, 0	1, 2, 0	1, 1, 1	0, 3, 0
	Rainfall ...	1, 0, 2	1, 1, 1	1, 1, 1	1, 1, 1	0, 1, 2	0, 1, 2	1, 0, 2	1, 1, 1	0, 1, 2	0, 1, 2	0, 1, 2	0, 1, 2
	Sunshine ...	0, 3, 0	1, 2, 0	0, 2, 1	0, 1, 2	0, 2, 1	0, 1, 2	1, 1, 1	0, 2, 1	0, 3, 0	0, 2, 1	1, 1, 1	0, 2, 1

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 2, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Mar. 20th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	47	45	46·3	+1·7
Wick	42	40	41·1	−1·8	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	44	40	42·0	+2·4
Ballantrae	46	39	43·0	0·0	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	49	47	48·0	—	ENGLAND, S.E.				
Plymouth‡	47	47	47·0	+0·9	Eastbourne‡	44	42	43·6	+1·6
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	46	42	44·5	−0·4	Port Erin	46	42	44·1	+0·4

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4425—19.) Wt. 229—611. 450. 3/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 188C, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%		°	°	°	°	
p Baltasound	*31*	*47*	*14, 15*	*23*	*20th*	*39·1*	*30·5*	*34·7*	—	*7*	*0·45*	*11*	—	*1·7*	—							*Baltasound.*
a, Islands .. *a Lerwick*	54	47	14, 15	25	17, 19, 20	39·7	31·1	35·3	− 3·1	7	0·47	12	—	2·7	− 0·5	24	•	•	39·3	•	•	•	Deerness.
a Stornoway	51	51	14th	24	18th	44·0	36·1	39·9	+ 0·5	7	0·91	23	− 1	2·3	− 0·9	20	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*50*	*14, 16*	*27*	*18th*	*46·0*	*37·7*	*41·7*	+ *0·6*	*6*	*0·51*	*13*	—	*3·8*	—	*33*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	51	14th	24	19, 20	43·0	33·3	38·0	− 1·3	5	0·47	12	− 1	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	52	14th	26	20th	45·9	33·7	39·6	+ 1·0	6	0·15	4	− 11	2·2	− 0·6	19	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500									?7	1·49	38	− 7	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	56	14th	23	19th	46·9	32·4	39·4	+ 0·4	3	0·36	9	− 12	3·1	+ 0·7	27	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	53	15th	24	19th	46·9	33·6	40·1	− 0·1	3	0·58	15	− 24	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
p Gordon Castle	101	54	15th	25	20th	44·7	33·0	38·7	− 1·3	5	0·84	21	+ 8	6·1	—	54	5	12	39·6	+2·5	39·3	+1·1	Crathes.
a Nairn	82	55	14th	20	20th	44·0	33·0	38·3	− 1·0	4	0·55	14	+ 4	*2·8*	—	*25*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen	46	59	14th	26	20th	46·0	35·1	40·4	+ 0·6	3	0·59	15	+ 2	3·2	—	28	•	•	•	•	•	•	Nairn.
a Balmoral	930	58	15th	11	20th	45·6	26·1	35·6	+ 0·1	3	0·45	11	− 5	5·4	+ 1·7	47	•	•	•	•	40·8	+1·4	Aberdeen.
p Crieff	432	60	14th	26	18th	49·1	31·9	40·3	+ 0·5	3	0·37	9	− 9	•	•	•	5	9	•	•	•	•	Balmoral.
														5·3	—	47	•	•	•	•	•	•	Balruddery.
a Leith	18	61	14th	29	18, 20	48·7	35·4	41·9	+ 0·7	4	0·55	14	+ 5	•	•	•	•	•	•	•	•	•	
a West Linton	769	58	16th	23	19th	42·7	30·3	36·3	− 0·3	4	0·90	23	—	*2·6*	—	*23*	5	21	•	•	•	•	*West Linton.*
p Marchmont	498	60	14th	25	20th	47·0	31·7	39·1	+ 0·5	3	0·56	14	0	5·1	+ 1·7	45	3	24	•	•	•	•	Marchmont.
a Edinburgh	*441*	*58*	*14th*	*28*	*18, 19*	*46·3*	*34·3*	*40·1*	—	*4*	*0·28*	*7*	—	4·9	—	43	3	21	•	•	•	•	Edinburgh.
6, *a*, SCOTLAND, W.																							
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	54	14th	28	18th	46·9	36·1	41·3	+ 1·3	4	0·21	5	− 9	5·4	+ 2·8	47	3	21	•	•	•	•	Glasgow.
p Rothesay‡	170	52	14th	27	18th	46·4	35·7	40·9	0·0	4	0·55	14	− 5	*3·6*	—	*32*	3	20	42·1	+0·3	43·0	•	*Rothesay.*
a Kilmarnock	90	53	14th	21	19th	46·7	33·4	39·9	− 0·3	3	0·24	6	—	*3·5*	—	*31*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	48	14, 16	23	19th	44·3	35·6	39·8	− 1·4	4	0·40	10	− 9	•	•	•	2	18	•	•	•	•	
a Dumfries	160	55	14th	27	18, 19	47·6	34·4	40·8	+ 0·3	4	0·23	6	− 11	*4·6*	—	*40*	4	23	41·1	•	41·3	•	*Dumfries.*
Eskdalemuir	*799*	*56*	*14, 16*	*23*	*18, 20*	*44·4*	*27·0*	*35·4*	—	*4*	*0·28*	*7*	—	*5·4*	—	*47*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	60	14, 16	26	19th	51·1	32·7	41·6	+ 1·4	3	0·22	5	− 17	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p Douglas*	277	50	16th	30	18, 19	46·6	38·0	42·2	+ 0·8	4	0·16	4	− 13	5·0	+ 0·9	43	3	23	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	219	61	14th	27	20th	47·3	34·1	40·5	+ 0·7	3	1·27	32	+ 18	5·0	—	44	4	22	40·1	+2·9	41·9	+2·7	Cockle Park.
a Tynemouth	71	58	14th	27	19th	47·4	35·9	41·5	+ 1·2	4	0·75	19	+ 8	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	59	14th	25	18th	47·7	34·6	40·4	+ 0·8	4	0·76	19	+ 9	5·4	+ 1·9	47	3	19	•	•	•	•	Durham.
a, North .. *p Rounton*	249	60	14th	26	18th	48·7	33·4	40·8	+ 1·4	3	1·02	26	+ 16	•	•	•	5	22	41·8	•	•	•	Rounton.
a West Witton	*605*	*57*	*14th*	*24*	*18th*	*47·3*	*35·1*	*41·0*	—	*4*	*0·46*	*12*	—	•	•	•	3	20	40·8	•	39·3	•	*West Witton.*
p Scarborough	100	54	16th	30	18, 19	47·1	36·9	41·9	+ 1·0	2	0·12	3	− 7	4·4	—	38	•	•	•	•	41·5†	•	Scarborough.
p York	56	59	14, 15	29	18th	50·1	35·9	42·8	+ 2·0	3	0·43	11	+ 2	4·2	+ 1·1	36	•	•	42·6	+3·4	42·5	+1·9	York.
a Spurn Head	26	54	15th	29	19th	46·6	36·7	41·5	+ 0·8	3	0·43	11	+ 3	*4·0*	—	*35*	•	•	•	•	•	•	*Spurn Head.*
b, South .. *a Lincoln*	58	58	14th	29	19, 20	48·6	33·4	40·8	− 0·3	1	0·39	8	− 1	•	•	•	•	•	41·1	+3·0	42·3	+2·3	Lincoln.
a Fulbeck	180	59	14th	28	19, 20	47·3	32·9	39·9	− 1·1	3	0·31	8	− 1	3·2	—	28	4	20	43·2	+3·0	43·4	+1·4	Rauceby.
														3·4	—	29	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	53	15th	27	18, 19	46·7	35·3	40·8	+ 0·6	3	0·47	12	—	3·1	—	27	•	•	•	•	•	•	Cromer.
p Little Massingham	280	53	14, 15	25	19, 20	47·0	32·1	39·3	− 1·3	2	0·39	8	− 3	1·9	− 1·8	16	4	21	•	•	•	•	Lit. Massingham
a, North .. *a Yarmouth*	17	55	15th	22	19th	47·6	35·0	41·1	+ 1·2	2	0·43	11	+ 3	2·7	—	23	•	•	43·6	+3·6	43·6	+1·1	Yarmouth.
a Norwich	93	54	14th	23	19th	47·1	34·1	40·4	0·0	3	0·42	11	—	*2·5*	—	*22*	3	14	42·7	•	•	•	*Norwich.*
a Geldeston	37	55	14, 15	22	19th	47·9	35·0	41·3	− 0·5	4	0·37	9	0	1·9	− 2·0	16	•	•	•	•	•	•	Geldeston.
p Cambridge	41	55	14th	26	19, 20	47·6	32·0	39·6	− 1·7	2	0·25	6	− 2	1·6	− 2·2	14	5	19	43·3	+2·8	44·0	+1·8	Cambridge.
a Clacton-on-Sea	54	54	14th	26	19th	45·6	35·4	40·4	− 0·1	2	0·08	2	—	2·2	—	19	5	22	43·0	+1·8	44·4	+0·8	Clacton.
b, South .. *a Rothamsted*	424	54	14th	25	19th	44·7	34·3	39·4	− 0·9	2	0·18	5	− 6	1·9	− 1·7	16	3	23	41·2	•	•	•	Rothamsted.
p Tottenham	51	57	14th	30	20th	46·7	38·3	42·4	+ 0·9	1	0·03	1	—	2·0	—	17	•	•	•	•	44·5	+1·8	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a Harrogate*	479	57	15th	25	18th	46·9	33·4	40·0	+ 0·7	1	0·19	5	− 7	5·2	—	45	4	19	41·1	+2·6	41·8	+2·2	Harrogate.
p Buxton	*987*	*46*	*15th*	*26*	*19th*	*41·9*	*33·3*	*37·5*	− *0·1*	*4*	*0·78*	*20*	− *4*	*2·1*	—	*18*	4	21	40·1	+2·6	39·9	−0·4	*Buxton.*
														4·4	—	38	4	27	41·5	+3·3	41·7	+1·6	Sheffield.
a Bawtry	65	61	14th	29	19th	49·4	33·9	41·4	+ 0·2	1	0·25	6	− 3	3·4	+ 0·3	29	5	22	41·5	•	42·6	•	Worksop.
a Nottingham	82	58	14th	23	19, 20	48·6	32·7	40·4	− 0·4	1	0·20	5	− 4	3·1	—	21	3	23	40·3	+2·0	41·1	+1·9	Nottingham.
b, East .. *p Birmingham, Edgbsn.*	535	48	14, 20	29	18, 19	44·9	35·9	40·3	0·0	2	0·10	3	− 7	1·7	—	15	3	25	41·6	+2·1	43·8	+1·1	Birmingham.
a Raunds	203	57	14th	26	19, 20	47·3	32·6	39·7	− 0·7	2	0·19	5	—	*2·3*	—	*20*	4	21	43·2	•	44·0	•	*Raunds.*
p Oxford	208	56	14th	28	20th	47·4	36·7	41·9	+ 0·4	2	0·10	3	− 5	2·3	− 1·2	20	4	20	•	•	•	•	Oxford.
a Cheadle	646	45	14, 15, 17	28	19th	43·1	35·6	39·2	− 0·3	4	0·29	7	− 6	•	•	•	4	25	•	•	•	•	Cheadle.
p Shrewsbury	191	52	14th	31	18–20	48·3	36·7	42·3	+ 0·5	1	0·02	1	—	•	•	•	3	24	•	•	•	•	Shrewsbury.
c, West .. *a Hereford§*	291	56	14th	25	20th	49·9	35·0	42·2	+ 0·7	2	0·04	1	− 9	*4·3*	—	*37*	3	20	42·7	•	43·1	•	*Malvern.§*
a Cirencester	446	52	14, 15	24	20th	47·0	33·8	40·2	+ 0·2	1	0·06	2	− 10	3·5	− 0·1	30	3	24	42·4	•	43·2	•	Cirencester.
a Bath	66	54	14th	24	20th	49·1	35·1	41·9	+ 0·1	1	0·01	0·3	− 11·7	3·3	—	28	•	•	43·7	+2·0	43·9	+0·4	Bath.
5. ENGLAND, S.E																							
a Marlborough	424	53	14th	23	20th	47·3	33·9	40·4	+ 0·3	2	0·07	2	− 12	3·0	—	26	2	19	43·6	+2·2	44·7	+1·4	Worthing.
a Margate	53	50	14th	31	19, 20	45·9	38·1	41·9	+ 0·5	1	0·06	2	− 7	2·1	− 1·1	18	3	18	45·0	•	46·8	•	Marlborough.
a Wisley, Surrey	150	56	14th	28	20th	46·1	36·9	41·4	− 0·8	1	0·04	1	—	1·7	− 2·1	15	2	27	43·6	+2·9	44·1	+2·2	Margate.
p Salisbury (Wilton)	180	58	14th	23	20th	48·3	35·3	41·6	+ 0·3	1	0·01	0·3	− 12·7	2·3	—	20	5	17	42·5	+2·1	43·3	+1·0	Wisley.
a Tunbridge Wells	354	59	14th	25	20th	47·3	34·3	40·6	− 0·6	1	0·02	1	− 12	•	•	•	3	19	44·4	•	•	•	Salisbury.
														2·6	− 1·1	22	5	18	42·6	+3·0	43·2	•	Tunbridge Wells.
a Dungeness	21	54	14th	24	20th	46·7	35·6	41·0	− 0·5	0	0·00	0	− 9	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	57	14th	28	20th	47·1	36·4	41·6	− 0·3	0	0·00	0	− 12	2·5	− 1·8	22	3	23	43·1	•	43·8	•	Hastings.
p Southampton	64	56	14th	26	20th	49·1	37·1	42·9	− 0·4	0	0·00	0	− 12	3·2	− 0·7	28	3	12	•	•	•	•	Southampton.
a Ventnor	59	54	14th	31	20th	48·7	39·3	43·9	+ 0·6	0	0·00	0	− 12	3·7	− 0·7	32	•	•	•	•	•	•	Ventnor.
LONDON. *p Kew*	18	57	14th	27	20th	47·5	36·9	42·0	+ 0·4	1	0·04	1	− 8	2·1	− 1·1	18	4	18	42·8	+2·3	44·1	+1·2	Kew.
a Westminster	*27*	*58*	*14th*	*28*	*20th*	*47·7*	*37·2*	*42·3*	+ *0·4*	*2*	*0·04*	*1*	− *9*	*1·7*	− *0·4*	*15*	3	23	•	•	•	•	*Westminster.*
a Greenwich	*155*	*58*	*14th*	*28*	*20th*	*46·6*	*36·3*	*41·3*	− *1·5*	*1*	*0·05*	*1*	− *8*	*1·9*	− *1·2*	*16*	6	19	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*55*	*14th*	*25*	*20th*	*46·0*	*34·6*	*40·1*	—	*1*	*0·05*	*1*	—	*2·1*	—	*18*	6	11	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*59*	*14th*	*27*	*20th*	*47·9*	*36·9*	*42·2*	—	*1*	*0·05*	*1*	—	*2·0*	—	*17*	2	23	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	55	16th	26	19th	47·6	34·3	40·8	+ 1·2	3	0·41	10	− 7	3·5	—	30	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	55	14th	27	18, 19	46·9	34·1	40·3	+ 1·5	4	0·53	13	− 2	3·2	—	30	3	23	43·2	•	42·9	•	Aspatria.
p Stonyhurst	375	49	15, 16	28	18th	46·4	35·7	40·9	+ 1·1	4	0·65	17	− 4	3·2	− 0·2	31	5	24	42·3	+3·3	41·1	+1·3	Newton Rigg.
p Blackpool	66	45	15, 16	31	18, 19	45·6	36·7	41·0	+ 0·3	3	0·06	2	− 12	3·0	− 0·3	26	4	18	•	•	•	•	Stonyhurst.
a Southport	*37*	*48*	*16, 20*	*30*	*19th*	*45·0*	*36·9*	*40·8*	− *0·1*	*4*	*0·17*	*4*	− *9*	4·2	+ 0·9	36	3	26	43·3	•	43·6	•	Blackpool.
a Liverpool (Bidston)	188	48	14, 16	31	19th	44·6	37·1	40·7	− 1·7	3	0·28	7	− 4	*3·2*	− *0·3*	*28*	3	23	42·9	+3·2	42·9	+2·1	*Southport.*
a Hawarden Bridge	*22*	*53*	*15th*	*31*	*19th*	*47·3*	*38·8*	*42·9*	+ *0·6*	*3*	*0·14*	*4*	− *5*	*2·5*	—	*22*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	50	15th	30	18, 19	46·1	37·0	41·4	+ 0·1	5	0·35	9	− 2	*2·0*	—	*17*	2	24	41·7	+3·0	43·1	+1·4	*Manchester (City)*
														1·4	− *0·7*	*12*	•	•	•	•	•	•	" (*Whit. Park*)
b NORTH WALES.																							
p Llandudno	71	51	16th	30	18th	48·4	37·6	41·9	− 0·6	3	0·10	3	− 10	2·3	− 1·2	20	•	•	•	•	•	•	Llandudno
a Holyhead	15	50	16th	31	18, 19	45·7	38·4	41·9	− 0·5	3	0·12	3	− 12	*2·2*	—	*19*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*55*	*14th*	*32*	*18–20*	*48·7*	*35·7*	*42·0*	− *0·1*	*3*	*0·36*	*9*	—	*3·1*	—	*27*	•	•	42·1	+1·9	44·0	+1·4	*Bettws-y-Coed.*
														3·3	—	28	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
																Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft.	°				°	°	°	°		in.	mm.	mm	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														3·3	—	28	•	•	•	•	•	•	
a Llangammarch Wells	550	58	14th	24	20th	48·7	33·7	41·0	+ 1·0	1	0·10	3	—	5·2	—	45	4	15	42·7	+2·8	44·0	+1·2	Aberystwyth.
a Pembroke	149	51	14th	34	19, 20	46·0	36·9	41·3	- 1·2	0	0·00	0	- 13	4·7	+ 0·7	41	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	57	14th	28	20th	48·3	36·0	42·0	- 0·4	0	0·00	0	- 18	*4·8*	—	*41*	3	22	43·4	+3·4	43·7	+1·3	Pembroke. *Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	55	14th	30	20th	49·0	36·3	42·5	+ 0·7	2	0·02	1	- 12	*43.*	—	*37*	1	20	•	•	•	•	*Clifton.*
a Shaftesbury	722	54	14th	25	20th	44·9	33·6	39·1	- 1·0	0	0·00	0	- 13	•	•	•	•	•	43·3	•	43·6	•	Shaftesbury.
a Arlington	613	54	14th	25	20th	45·7	32·0	38·7	- 1·9	2	0·03	1	- 21	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*48*	*14th*	*26*	*20th*	*45·1*	*36·9*	*40·9*	*- 3·1*	*0*	*0·00*	*0*	*- 13*	3·5	- 0·7	30	1	21	45·4	•	45·7	•	Newquay.
a Cullompton	202	57	14th	22	20th	49·3	33·7	41·3	- 0·9	0	0·00	0	- 14	3·4	- 0·4	29	6	15	44·9	•	•	•	Cullompton.
a Portland Bill	19	55	14th	34	19th	48·1	39·6	43·7	+ 1·0	0	0·00	0	—	*3·8*	—	*33*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	59	14th	28	20th	50·1	36·4	43·1	- 0·4	1	0·02	1	- 14	5·0	+ 0·9	43	•	•	44·4	+1·5	•	•	Plymouth.
a Falmouth	167	53	16th	29	20th	48·4	38·4	43·5	- 0·7	0	0·00	0	- 19	4·1	- 0·2	35	1	20	46·4	•	46·2	•	Falmouth.
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	49	15th	32	18th	45·6	38·9	42·2	+ 0·8	4	0·32	8	- 5	*3·7*	•	*33*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	49	14th	31	19th	45·9	37·0	41·3	- 1·9	3	0·16	4	- 18	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	52	14–17	25	19th	49·6	35·7	42·4	+ 1·3	3	0·18	5	- 13	3·3	0·0	28	3	20	44·4	•	43·5	•	Markree Castle.
a Birr Castle	175	50	14, 16	22	19, 20	47·3	33·9	40·4	- 1·0	0	0·00	0	- 13	*3·1*	*- 0·4*	*27*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	56	15th	25	19th	50·6	36·4	43·3	+ 2·2	2	0·08	2	- 11	3·9	+ 0·7	34	2	17	43·7	+2·4	43·3	+0·2	Armagh.
a Donaghadee	101	52	15th	30	18th	47·1	37·7	42·3	+ 0·4	1	0·04	1	- 11	•	•	•	•	•	•	•	•	•	•
10. IRELAND, S.														4·4	+ 0·6	38	3	24	44·1	+2·0	43·9	-2·0	Trinity Coll.
a, East .. *p* Dublin, City	47	53	14th	28	19th	49·1	38·6	43·7	+ 0·5	1	0·01	1	- 10	•	•	•	4	20	•	•	•	•	Phœnix Park.
a Kilkenny	212	50	14th	25	20th	47·4	34·7	40·9	- 1·1	1	0·03	1	- 12	•	•	•	2	26	•	•	•	•	Dublin City.
a Waterford	30	51	14th	27	19th	47·3	35·1	41·0	- 1·8	0	0·00	0	- 16	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*48*	*14, 15*	*24*	*19th*	*45·7*	*34·4*	*39·9*	—	*0*	*0·00*	*0*	—	*4·0*	—	*34*	4	22	•	•	•	•	*Seskin.*
b, West .. *a* Birr Castle	175	50	14, 16	22	19–20	47·3	33·9	40·4	- 1·0	0	0·00	0	- 13	3·1	- 0·4	27	•	•	•	•	•	•	Birr Castle.
a Foynes	50	48	14, 20	28	19th	45·6	37·6	41·5	- 1·8	0	0·00	0	- 16	•	•	•	•	•	•	•	•	•	•
a Cahir	199	50	14th	26	20th	46·6	34·6	40·4	- 2·1	1	0·01	0·3	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	54	16th	24	19th	49·4	35·4	42·2	- 1·9	1	0·03	1	- 26	•	•	•	•	•	•	•	•	•	•
a Valencia	30	50	14, 16	29	20th	47·3	35·7	41·3	- 3·4	1	0·04	1	- 25	3·9	0·0	34	•	•	•	•	•	•	Valencia.
a Roche's Point	32	51	14th	31	19th	46·9	36·6	41·6	- 2·4	0	0·00	0	- 17	4·3	•	37	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	51	15th	36	20th	48·4	41·1	44·6	- 0·9	0	0·00	0	- 14	4·3	- 0·1	37	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	55	15th	28	20th	49·3	37·9	43·4	- 1·1	0	0·00	0	- 13	3·7	- 0·9	32	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	57	14th	28	20th	50·4	38·9	44·5	- 0·2	0	0·00	0	- 14	4·3	- 0·3	37	3	20	45·9	+1·9	46·3	+1·1	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, March 20th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind						Extreme Velocities.				
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	Highest Hourly Wind.			Highest Gust with Date and Time.	
			Dates of Occurrence.	Total Duration.	Dates of Occurrence.	Total Duration	Total Duration.	Total Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.		m/s.	d. h. m.
1. SCOTLAND, E.													
Dyce	75	15	—	—	—	—	13§	142§	NW.	7	16th 3h.	17	15th 15 . 35
Aberdeen*	105	37 / 52	—	—	15–18	12	60	96	WNW.	13	16th 3h.	19	17th 22 . 45
Edinburgh	39	31	—	—	18th	7§	57§	100§	N.	13	18th 12h.	23	18th 7 . 24
6. SCOTLAND, W.													
Eskdalemuir	50	22	18th	5§	18, 20	9§	51§	100§	NNE.	19	18th 8h.	27	18th 15 . 10
Paisley (Coats Obs.)	81	52	—	—	18th	1	57	110	NE.	11	18th 8h.	22	18th 13 . 12
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	12	156	NE. by E.	9	18th 15h	19	18th 14 . 35
South Shields ..	61	12	—	—	18, 19	11	50	107	E. by N.	16	18th 14h.	25	18th 13 . 55
Spurn Head	40	‡	18, 19	5§	18, 19	7§	16§	67§	NE.	20	18th 22h.	30	18th 21 . 45
3. ENGLAND, E.													
Gorleston	42	‡‡	—	—	—	—	4§	120§	—	7	14th 12h	11	14th 11 . 42
Shoeburyness ..	90	‡‡	—	—	19th	5	22	141	N.	13	19th 11h.	21	19th 10 . 57
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	19th	11	16	141	N. by W.	15	19th 3h.	22	19th 2 . 50
5. ENGLAND, S.E.													
Dover	40	‡‡	19th	4	19th	9	24	112	—	20	19th 10h.	30	19th 10 . 47
Warlingham	33	‡‡	—	—	—	—	12	156	—	11	19th 11h.	24	19th 10 . 45
Brighton	53	‡	—	—	—	—	12§	105§	—	9	19th 13h.	17	19th 10 . 38
Kew†	65	7 / 22	—	—	19th	1	12	155	NNE.	12	19th 10h.	18	19th 10 . 15
South Kensington ..	92	30					Instrument discounted.						
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	20	148	NE.	8	18th 22h.	15	18th 22 . 0
Southport	62	48	—	—	17, 18, 20	19	103	46	N. by E.	17	18th 19h.	24	18th 18 . 57
Holyhead*	40	‡	18th	13	17 to 20	25	35	95	NNE.	23	18th 18h.	28	18th 17 . 55
8. ENGLAND, S.W.													
Pendennis Castle* ..	65	24	—	—	18, 19	26§	15§	111§	NNE.	13	19th 9h.	21	18th 22 . 25
Plymouth	88	2	—	—	—	—	33	135	—	10	18th 21h.	17	18th 14 . 5
10. IRELAND, S.													
Quilty	40	‡‡	—	—	18th	8	42	118	—	12	18th 15h.	17	18th 14 . 10
Weaver Pt.	30	‡‡	—	—	—	—	35	133	—	11	18th 18h.	16	18th 18 . 20
11. ENGLISH CHANNEL.													
Scilly*	19	‡	—	—	18, 19	9	26	133	N.	11	18th 21h.	16	19th 5 . 30

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

ELEVENTH WEEK—March 14th to March 20th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	23	44·4	33·4	38·7	− 0·4	7	− 2	30	− 1	5	0	0·63	16	− 11	2·6	−0·3	23	1013
Eastern.																			
1. SCOTLAND, EAST ...	61	11	46·0	32·1	38·8	− 0·5	11	− 4	36	+ 2	4	0	0·60	15	+ 2	5·0	+1·6	44	1014
2. ENGLAND, N.E. ..	61	25	47·9	34·8	41·1	+ 0·4	17	− 2	28	+ 1	3	0	0·60	15	+ 4	4·3	+0·3	37	1013
3. ENGLAND, EAST ...	57	22	46·8	34·6	40·5	− 0·4	13	− 11	28	− 1	2	− 1	0·28	7	− 1	2·2	−1·8	19	1013
4. MIDLAND COUNTIES ...	61	24	47·4	34·7	40·9	− 0·1	15	− 9	28	− 1	2	− 1	0·13	3	− 6	3·4	−0·1	29	1014
5. ENGLAND, S.E.	59	23	47·4	36·4	41·7	− 0·3	15	− 9	22	0	1	− 2	0·02	1	− 9	2·6	−1·2	22	1014
Western.																			
6. SCOTLAND, WEST ...	60	21	47·1	35·1	40·9	+ 0·2	14	− 2	26	+ 1	4	0	0·29	7	− 13	5·2	+1·8	45	1015
7. ENGLAND, N.W.	55	26	46·2	36·4	41·1	− 0·1	12	− 6	21	− 1	4	0	0·31	8	− 5	3·2	−0·1	28	1016
8. ENGLAND, S.W.	59	22	47·9	35·7	41·6	− 0·9	17	− 7	25	+ 7	1	− 3	0·02	1	− 13	4·2	+0·3	36	1017
9. IRELAND, NORTH ...	56	22	47·7	36·6	42·0	+ 0·2	16	− 5	15	− 6	2	− 3	0·12	3	− 11	3·6	+0·4	31	1018
10. IRELAND, SOUTH ...	54	22	47·4	35·8	41·4	− 1·9	15	− 12	24	+ 8	1	− 3	0·01	1	− 15	3·9	+0·3	34	1019
11. ENGLISH CHANNEL ...	57	28	49·4	39·3	44·2	− 0·9	27	− 2	8	+ 1	0	− 4	0·00	0	− 12	4·1	−0·7	35	1016

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 3 Weeks, February 28th to March 20th, 1915.

0. SCOTLAND, NORTH ...	56	23	45·7	35·4	40·4	*	38	+ 16	68	− 34	16	+ 1	3·44	87	+ 11	2·4	−0·2	22	1012
Eastern.																			
1. SCOTLAND, EAST ...	61	11	46·6	33·6	39·9	*	38	+ 6	93	− 20	12	0	1·42	36	− 4	3·4	+0·3	31	1013
2. ENGLAND, N.E.	62	25	48·1	36·2	41·9	*	64	+ 21	58	− 33	11	0	1·14	29	− 2	3·2	−0·2	29	1014
3. ENGLAND, EAST ...	58	22	47·3	36·6	41·8	*	51	− 3	59	− 40	10	− 1	1·01	26	0	2·3	−1·2	21	1015
4. MIDLAND COUNTIES ...	61	24	48·1	36·2	42·0	*	58	+ 2	63	− 35	8	− 2	0·70	18	− 13	2·7	−0·3	24	1017
5. ENGLAND, S.E.	59	23	47·9	37·6	42·6	*	56	− 2	49	− 28	8	− 2	0·55	14	− 19	2·4	−1·0	22	1015
Western.																			
6. SCOTLAND, WEST ...	60	21	46·9	35·8	41·2	*	41	+ 5	72	− 12	11	− 1	1·80	45	− 17	3·4	+0·4	30	1015
7. ENGLAND, N.W.	55	26	46·6	37·5	41·9	*	43	+ 1	49	− 28	12	+ 1	1·31	33	− 8	2·5	−0·5	23	1017
8. ENGLAND, S.W.	59	22	48·0	37·3	42·5	*	56	− 5	54	− 10	8	− 3	0·81	21	− 28	3·2	−0·3	29	1019
9. IRELAND, NORTH ...	59	21	48·1	37·2	42·5	*	57	+ 4	40	− 30	12	− 2	1·04	27	− 19	2·5	−0·4	22	1017
10. IRELAND, SOUTH ...	59	21	49·3	37·4	43·2	*	75	+ 4	45	− 9	9	− 3	0·69	18	− 35	3·5	+0·1	31	1020
11. ENGLISH CHANNEL ...	57	28	49·1	41·0	44·9	*	79	+ 2	12	− 13	7	− 5	0·43	11	− 31	3·4	−0·9	30	1020

THE YEAR.—Aggregates, &c., for the Period of 11 Weeks, January 3rd, 1915, to March 20th, 1915.

0. SCOTLAND, NORTH ...	56	12	43·3	34·0	38·7	*	71	− 5	328	− 68	59	+ 3	13·84	352	+ 21	1·5	−0·1	18	1002
Eastern.																			
1. SCOTLAND, EAST ...	61	11	43·0	32·3	37·6	*	59	− 34	422	− 27	48	+ 5	7·08	180	+ 27	2·0	−0·2	23	1003
2. ENGLAND, N.E.	62	23	44·6	34·9	39·7	*	106	− 7	280	− 79	50	+10	6·20	157	+ 48	2·0	−0·3	22	1005
3. ENGLAND, EAST ...	58	18	44·8	35·3	40·1	*	111	− 20	276	−125	53	+13	6·62	168	+ 66	1·9	−0·6	20	1007
4. MIDLAND COUNTIES ...	61	21	45·3	34·4	39·9	*	130	− 16	309	− 89	43	+ 4	6·81	173	+ 46	2·0	−0·1	22	1007
5. ENGLAND, S.E.	59	15	46·0	36·2	41·1	*	157	− 4	236	− 71	44	+ 6	8·36	213	+ 79	2·0	−0·4	21	1008
Western.																			
6. SCOTLAND, WEST ...	60	20	44·2	34·5	39·4	*	82	− 34	311	− 5	51	+ 3	11·33	288	+ 22	2·3	+0·3	26	1004
7. ENGLAND, N.W.	56	21	44·6	36·0	40·4	*	106	− 19	243	− 56	46	+ 2	9·00	228	+ 57	2·2	+0·1	24	1006
8. ENGLAND, S.W.	59	17	46·0	36·5	41·3	*	152	− 43	227	− 12	50	+ 6	10·87	277	+ 68	2·5	+0·1	26	1008
9. IRELAND, NORTH ...	59	20	45·2	35·1	40·2	*	126	− 37	265	+ 3	53	+ 2	8·57	219	+ 22	2·0	−0·1	22	1004
10. IRELAND, SOUTH ...	59	21	46·7	36·1	41·4	*	173	− 63	232	+ 32	54	+ 8	10·18	261	+ 35	2·7	+0·3	29	1008
11. ENGLISH CHANNEL ...	57	27	48·0	39·9	44·0	*	242	− 31	102	+ 7	52	+ 3	9·16	233	+ 56	2·8	−0·2	29	1010

W. N. SHAW, Director.
Meteorological Office, South Kensington, March 24th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 12. TWELFTH WEEK, SUNDAY, MARCH 21ST, TO SATURDAY, MARCH 27TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks.

The ends of the week were cold, especially at night; the middle was mild. Temperature reached a maximum of 60° or above in most of the English districts on the 24th. By the 26th it was very low, the maxima both on that and the following day being below 40° in several localities, while the minima on the 27th were as low as 25° or less in all districts except the English Channel. In Scotland West, at Kilmarnock, the thermometer fell to 20°. In some parts of Wales and the south-west of England the lowest minima were recorded on the 21st or 22nd. At Llangammarch Wells the reading on the latter date was as low as 21°. Precipitation was more frequent and heavier in the east and north-east of Great Britain than in the western parts of the Kingdom, where it was less than the average. Snow showers were experienced over a large area late in the week, but yielded little water in the gauge when melted. Bright sunshine varied greatly from day to day, and the only occasion when it was abundant over the Kingdom generally was the 21st. The brightest district for the period was England North-West, with a daily mean of 5·3 hr. and the dullest the English Channel and Scotland North, with a daily mean of 3·1 hr.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate
	Rainfall ...	Light	Heavy	Moderate	Heavy	Moderate	Moderate	Light	Moderate	Moderate	Light	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate	Scanty

THE SEASON.

SPRING, 4 weeks from Feb. 28th, 1915.	Warmth ...	1, 3, 0	1, 2, 1	2, 2, 0	1, 3, 0	1, 2, 1	1, 3, 0	0, 3, 1	0, 4, 0	0, 4, 0	1, 2, 1	1, 2, 1	0, 4, 0
	Rainfall ...	1, 0, 3	2, 1, 1	1, 2, 1	2, 1, 1	0, 2, 2	0, 2, 2	1, 0, 3	1, 2, 1	0, 2, 2	0, 1, 3	0, 2, 2	0, 2, 2
	Sunshine ...	0, 4, 0	1, 3, 0	0, 3, 1	0, 2, 2	0, 3, 1	0, 2, 2	2, 1, 1	1, 2, 1	0, 4, 0	1, 2, 1	1, 2, 1	0, 2, 2

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 5, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, Mar. 27th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	47	44	45·7	+0·4
Wick*	42	41	41·5	−1·7	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	43	41	42·2	+2·2
Ballantrae	46	40	42·5	−1·0	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	43	41	41·6	+0·8
Scilly	49	48	48·7	—	ENGLAND, S.E.				
Plymouth‡	48	46	46·9	+0·3	Eastbourne‡	44	42	43·1	+0·3
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	46	44	45·1	0·0	Port Erin	46	43	44·3	+0·3

* Two days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4487—19.) Wt. 229—611. 450. 4/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				Bright Sunshine. Hours per Day			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%		°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*	*44*	*23rd*	*26*	*21, 22*	*39·4*	*29·8*	*34·5*	—	7	*0·43*	*11*	—	*3·0*	—	*25*	*	*	36·1	*	*	*	*Baltasound.*
a, Islands .. { *a* Lerwick ..	54	43	23rd	26	21st	39·4	29·6	34·4	− 4·3	5	0·59	15	—	3·9	+ 0·3	33	*	*	*	*	*	*	Deerness.
a Stornoway ..	51	47	23rd	31	26, 27	42·1	33·0	37·4	− 2·6	4	0·55	14	− 9	2·9	− 0·7	24	*	*	*	*	*	*	Stornoway.
a Castlebay, Barra Isd. ..	*37*	*48*	*21st*	*31*	*27th*	*44·0*	*37·9*	*40·9*	− *0·7*	*2*	*0·59*	*15*	—	*5·0*	—	*42*	*	*	*	*	*	*	*Castlebay.*
a Wick	81	45	21st	29	23th	41·0	32·3	36·5	− 3·4	4	0·20	5	− 8	*	*	*	*	*	*	*	*	*	
b, Main- { *p* Strathpeffer ..	200	50	23rd	29	23, 25, 27	44·3	31·7	37·8	− 1·5	4	0·47	12	− 3	2·5	− 0·6	21	*	*	*	*	*	*	Strathpeffer.
land. { *p* Glencarron ..	500													*	*	*	*	*	*	*	*	*	
p Fort Augustus..	68	48	22, 23	26	27th	44·0	32·4	38·0	− 1·8	2	0·39	10	− 10	3·0	+ 0·3	25	*	*	*	*	*	*	Fort Augustus.
p Fort William ..	171	51	22nd	27	27th	44·7	33·6	39·0	− 2·0	3	0·39	23	− 14	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																							
p Gordon Castle ..	101	51	21st	28	27th	43·9	33·0	38·3	− 2·5	6	0·61	26	+ 13	2·7	—	23	4	19	37·2	−0·6	39·2	+0·5	Crathes.
a Nairn	82	51	21st	23	21st	41·1	29·1	36·4	− 3·5	6	0·55	14	+ 4	*2·9*	—	*24*	*	*	*	*	*	*	*Gordon Castle.*
a Aberdeen ..	46	52	21st	25	21st	43·7	32·7	38·0	− 2·4	5	0·63	16	+ 3	3·5	—	29	*	*	*	*	*	*	Nairn.
a Balmoral ..	930	47	24th	24	27th	43·0	29·3	36·0	− 0·2	5	0·97	25	+ 9	2·8	− 1·2	23	*	*	*	*	40·8	+1·1	Aberdeen.
p Crieff	432	50	21st	26	27th	45·0	32·0	38·3	− 2·2	3	0·53	13	− 4	3·6	—	30	*	*	7	21	*	*	Balmoral.
a Leith	18	50	21st	32	27th	45·1	34·4	39·6	− 2·3	2	0·55	14	+ 6	*	*	*	*	*	*	*	*	*	Balruddery.
a West Linton ..	769	50	22nd	26	27th	44·3	30·4	37·1	− 0·3	3	0·54	14	—	*4·2*	—	*35*	5	19	*	*	*	*	
p Marchmont ..	498	48	21st	27	26th	44·0	31·7	37·7	− 1·6	5	1·07	27	+ 13	4·7	+ 1·1	39	6	24	*	*	*	*	*West Linton.*
a Edinburgh ..	*441*	*48*	*21, 22*	*29*	*27th*	*45·7*	*34·3*	*38·9*	—	*3*	*0·54*	*14*	—	4·3	—	36	3	25	*	*	*	*	Marchmont.
																							Edinburgh.
6. *a*, SCOTLAND, W.																							
a Poltalloch	132													*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	189	50	22nd	30	27th	44·9	35·6	40·1	− 0·6	3	0·20	5	− 8	4·0	+ 1·1	33	3	22	*	*	*	*	Glasgow.
p Rothesay‡	170	49	22nd	29	27th	41·7	35·1	39·8	− 1·7	5	0·62	16	− 3	*4·8*	—	*40*	4	21	41·1	*	42·9	+1·0	*Rothesay.*
a Kilmarnock ..	90	55	24th	20	27th	47·9	33·4	40·4	− 0·6	3	0·18	5	—	*4·2*	—	*35*	*	*	*	*	*	*	*Kilmarnock.*
a Colmonell ..	170	54	22nd	22	27th	48·3	34·6	41·3	− 0·6	3	0·38	10	− 9	*	*	*	3	16	*	*	*	*	
a Dumfries ..	160	51	22nd	27	27th	48·6	34·9	41·6	+ 0·5	3	0·21	5	− 11	*5·3*	—	*44*	3	23	41·3	*	41·7	*	*Dumfries.*
Eskdalemuir ..	*799*	*50*	*22nd*	*25*	*27th*	*44·4*	*30·1*	*37·0*	—	*2*	*0·35*	*9*	—	*4·8*	—	*40*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse	120	52	22nd	25	27th	47·4	33·4	40·2	− 0·7	3	0·22	6	− 16	*	*	*	*	*	*	*	*	*	
b. I. OF MAN. *p* Douglas	277	52	24th	31	27th	46·9	36·7	41·7	− 0·1	3	0·47	12	− 4	5·8	+ 2·3	48	3	25	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	55	21st	28	27th	47·3	34·9	40·9	+ 0·4	6	0·59	15	+ 1	4·8	—	40	3	22	38·9	+0·4	41·1	+1·5	Cockle Park.
a Tynemouth	71	57	24th	30	27th	46·9	34·4	40·5	− 0·4	2	0·43	11	+ 1	*	*	*	*	*	*	*	*	*	*Tynemouth.*
p Durham	336	58	24th	25	27th	46·7	34·3	40·3	+ 0·1	6	0·54	14	+ 4	4·4	+ 0·7	37	3	22	*	*	*	*	Durham.
a, North .. { *p* Rounton	249	61	24th	26	27th	49·1	33·7	41·2	+ 1·1	5	0·38	10	− 1	*	*	*	4	22	40·0	*	*	*	Rounton.
a West Witton ..	*605*	*57*	*24th*	*25*	*22nd*	*47·0*	*33·4*	*40·0*	—	*4*	*0·33*	*8*	—	*	*	*	3	20	40·0	*	39·8	*	*West Witton.*
p Scarborough ..	100	64	24th	32	27th	48·3	36·7	42·3	+ 0·8	5	0·35	9	− 1	5·8	—	48	*	*	*	*	42·5†	*	Scarborough.
p York	56	58	24th	28	27th	49·6	35·4	42·3	+ 0·5	4	0·23	6	− 3	4·4	+ 1·0	37	*	*	41·7	+1·4	42·9	+2·0	York.
a Spurn Head ..	26	59	24th	29	27th	47·4	34·6	40·8	− 0·6	5	0·28	7	0	*6·0*	—	*50*	*	*	*	*	*	*	*Spurn Head.*
b, South .. { *a* Lincoln	58	62	24th	26	27th	50·7	34·4	42·3	+ 0·5	4	0·32	8	− 1	*	*	*	*	*	41·2	+1·7	42·7	+2·2	Lincoln.
a Fulbeck	180	63	24th	25	27th	50·6	33·6	41·9	+ 0·1	6	0·37	9	0	4·6	—	38	4	21	42·7	+1·1	43·7	+1·4	Rauceby.
														6·1	—	51	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
p Cromer	196	63	24th	34	26, 27	51·6	36·9	44·0	+ 3·1	6	0·57	14	—	5·8	—	48	*	*	*	*	*	*	Cromer.
p Little Massingham ..	280	62	24th	26	27th	51·3	33·3	42·0	+ 0·5	6	0·78	20	+ 10	4·8	+ 0·9	40	4	23	*	*	*	*	Lit. Massingham
a, North .. { *a* Yarmouth ..	17	57	23rd	28	21st	48·1	36·1	41·9	+ 1·2	4	0·47	12	+ 3	5·4	—	45	*	*	42·7	+1·2	44·0	+1·0	Yarmouth.
a Norwich ..	93	60	24th	28	27th	50·7	34·4	42·3	+ 1·0	5	0·70	18	—	*4·8*	—	*40*	4	18	42·0	*	*	*	*Norwich.*
a Geldeston ..	37	59	24th	29	27th	50·4	34·4	42·2	+ 0·7	6	0·63	16	+ 7	4·5	+ 0·3	38	*	*	*	*	*	*	Geldeston.
p Cambridge ..	41	59	24th	27	22, 27	50·9	32·7	41·5	− 0·5	4	0·45	11	+ 3	3·4	− 0·7	28	4	20	42·8	+1·1	44·0	+1·2	Cambridge.
b, South .. { *a* Clacton-on-Sea ..	54	51	21st	30	27th	46·4	36·9	41·5	+ 0·2	4	0·35	9	—	4·6	—	38	4	25	42·9	+0·8	44·5	+0·6	Clacton.
a Rothamsted ..	424	55	23rd	25	27th	46·9	33·6	40·1	− 1·0	5	0·59	15	+ 5	2·7	− 1·2	23	4	19	39·7	*	*	*	Rothamsted.
p Tottenham ..	51	55	24th	23	27th	51·3	35·9	43·4	+ 1·2	4	0·42	11	—	2·7	—	23	*	*	*	*	44·2	+1·3	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. { *a* Harrogate ..	479	56	24th	27	22, 27	47·0	33·3	40·0	− 0·1	4	0·27	7	− 5	5·1	—	43	3	21	41·0	+1·6	42·1	+2·0	Harrogate.
p Buxton ..	*987*	*55*	*24th*	*24*	*22nd*	*48·0*	*31·0*	*39·3*	+ *0·9*	*3*	*0·46*	*12*	− *11*	*4·3*	—	*36*	4	19	38·9	+0·5	39·7	−0·7	*Buxton.*
														4·3	—	36	3	23	41·2	+2·0	42·0	+1·7	Sheffield.
a Bawtry	65	58	22, 24	24	22nd	49·9	32·6	41·0	− 0·8	5	0·44	11	+ 3	5·3	+ 1·9	44	4	20	42·3	*	42·7	*	Worksop.
a Nottingham ..	82	63	24th	24	22nd	50·4	31·1	40·5	− 1·1	4	0·35	9	0	4·7	—	38	4	22	40·7	+1·1	41·1	+1·4	Nottingham.
b, East .. { *p* Birmingham, Edgbsn.	535	58	24th	*27*	27th	49·7	34·0	41·6	+ 0·4	4	0·29	7	− 3	2·9	—	24	4	22	40·9	+0·6	43·8	+1·1	Birmingham.
a Raunds	203	58	24th	24	27th	50·4	31·3	40·6	− 0·5	3	0·30	8	—	*4·0*	—	*33*	4	19	42·4	*	44·4	*	*Raunds.*
p Oxford	208	56	23rd	26	27th	50·0	33·6	41·6	− 0·7	3	0·69	18	+ 10	3·1	− 0·8	26	5	19	*	*	*	*	Oxford.
a Cheadle	646	60	24th	29	27th	52·1	34·1	42·8	+ 2·6	3	0·46	12	− 1	*	*	*	4	23	*	*	*	*	Cheadle.
p Shrewsbury ..	191	61	24th	22	27th	52·3	30·9	41·3	− 1·3	3	0·38	10	—	*	*	*	4	18	*	*	*	*	Shrewsbury.
c, West .. { *a* Hereford§ ..	291	57	24th	24	22, 27	48·3	31·0	39·4	− 3·0	3	0·32	8	− 2	*3·6*	—	*30*	4	18	41·4	*	43·2	*	*Malvern.*§
a Cirencester ..	446	55	23, 24	25	21st	46·9	32·2	39·3	− 1·5	3	0·93	24	+ 13	3·3	− 0·6	28	4	24	41·4	*	43·1	*	Cirencester.
a Bath	66	57	23, 24	27	21, 27	49·9	33·4	41·4	− 1·1	4	0·59	15	+ 3	3·0	—	25	*	*	*	*	*	*	Bath.
5. ENGLAND, S.E																							
a Marlborough ..	424	55	23rd	25	21, 27	48·0	32·1	39·8	− 0·6	4	0·81	21	+ 8	4·3	—	36	4	24	43·4	+1·0	44·9	+1·2	Worthing.
a Margate	53	60	23rd	35	21, 27	49·3	39·4	44·2	+ 1·6	3	0·12	3	− 5	2·8	− 0·8	23	4	20	43·5	*	46·8	*	Marlborough.
a Wisley, Surrey ..	150	58	23rd	26	26, 27	49·6	34·0	41·6	− 1·3	2	0·19	5	—	5·0	+ 0·9	42	2	28	43·2	+1·6	44·1	+1·9	Margate.
p Salisbury (Wilton) ..	180	58	23rd	26	21, 27	49·4	33·0	41·0	− 1·5	2	0·81	21	+ 9	2·9	—	24	4	13	41·8	+0·3	43·2	+0·4	Wisley.
a Tunbridge Wells ..	354	58	23rd	27	27th	50·0	35·7	42·6	+ 0·8	5	0·22	6	− 6	*	*	*	4	21	43·3	*	*	*	Salisbury.
														3·5	− 0·6	29	4	19	42·2	+1·4	43·2	*	Tunbridge Wells.
a Dungeness	21	51	23rd	28	21st	47·7	37·9	42·7	+ 0·8	2	0·08	2	− 7	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings.. ..	178	53	23rd	30	27th	48·1	37·6	42·7	0·9	3	0·14	4	− 8	4·0	− 0·6	33	4	25	43·1	*	44·0	*	Hastings.
p Southampton ..	64	57	23rd	28	21, 27	49·9	36·4	43·0	− 1·4	4	0·39	10	− 2	3·0	− 1·3	25	4	16	*	*	*	*	Southampton.
a Ventnor	59	56	23rd	33	27th	50·9	39·6	45·1	+ 0·9	3	0·40	10	− 1	4·4	− 0·3	*31*	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	59	24th	28	27th	51·1	38·3	43·5	+ 1·0	4	0·28	7	− 2	2·9	− 0·7	24	4	18	41·9	+0·3	44·2	+0·9	Kew.
a Westminster ..	*27*	*59*	*23rd*	*29*	*27th*	*250·4*	*237·5*	*243·8*	+ *1·0*	*4*	*0·32*	*8*	− *2*	*2·6*	+ *0·2*	*22*	4	*225*	*	*	*	*	*Westminster.*
a Greenwich ..	*155*	*59*	*23rd*	*28*	*27th*	*50·4*	*36·4*	*43·2*	− *0·2*	*4*	*0·36*	*9*	*0*	*3·5*	+ *0·1*	*29*	4	19	*	*	*	*	*Greenwich.*
a Hampstead ..	*450*	*57*	*23rd*	*25*	*27th*	*47·8*	*34·3*	*40·9*	—	*4*	*0·42*	*11*	—	*3·0*	—	*25*	5	16	*	*	*	*	*Hampstead.*
a Camden Square ..	*110*	*58*	*23rd*	*27*	*27th*	*50·4*	*35·0*	*42·5*	—	*4*	*0·38*	*10*	—	*2·4*	—	*20*	4	23	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	55	22, 23	26	27th	48·1	34·4	41·1	+ 0·7	3	0·55	14	− 3	4·7	—	39	*	*	*	*	*	*	Hoylake.
p Newton Rigg ..	559	55	24th	24	27th	47·9	33·9	40·7	+ 1·2	3	0·26	7	− 7	5·5	—	46	2	18	42·5	*	43·3	*	Aspatria.
p Stonyhurst ..	375	56	24th	28	27th	48·6	31·6	41·4	+ 0·8	3	0·30	8	− 12	4·7	+ 2·0	39	4	15	41·4	+1·4	41·3	+1·2	Newton Rigg.
p Blackpool	66	57	24th	27	27th	49·7	35·3	42·3	+ 0·8	3	0·30	8	− 5	5·2	+ 1·6	43	5	15	*	*	*	*	Stonyhurst.
a Southport	*37*	*59*	*24th*	*29*	*22, 27*	*50·0*	*35·4*	*42·5*	+ *0·8*	*3*	*0·35*	*9*	− *3*	5·7	+ 2·0	48	3	25	43·2	*	43·9	*	Blackpool.
a Liverpool (Bidston) ..	188	56	24th	28	27th	47·7	34·7	41·0	− 2·1	4	0·32	8	− 3	*5·4*	+ *1·6*	*45*	3	19	42·1	+1·0	43·3	+1·7	*Southport.*
a Hawarden Bridge ..	*22*	*60*	*24th*	*29*	*27th*	*49·9*	*34·9*	*42·2*	− *0·7*	*4*	*0·49*	*12*	+ *3*	*4·0*	—	*33*	*	*	*	*	*	*	*Liverpool.*
p Manchester (Wnit. Pk.)	125	61	24th	30	27th	51·1	36·3	43·5	+ 1·5	3	0·28	7	− 5	*3·9*	—	*33*	3	24	41·1	+1·4	43·6	+1·7	*Manchester (City)*
														3·5	+ *1·1*	*29*	*	*	*	*	*	*	*(Whit. Park)*
b NORTH WALES.																							
p Llandudno	71	60	24th	?32	22nd	50·1	38·1	42·9	− 0·1	2	0·10	3	− 9	5·8	+ 2·0	48	*	*	*	*	*	*	Llandudno.
a Holyhead	15	54	22, 23, 24	34	22, 27	48·4	37·6	42·8	− 0·1	3	0·16	4	− 10	*6·1*	—	*51*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed ..	*148*	*63*	*24th*	*27*	*22nd*	*50·6*	*33·3*	*41·7*	− *1·2*	*4*	*0·06*	*2*	—	*4·8*	—	*40*	*	*	41·7	−0·2	44·0	+1·2	*Bettws-y-Coed.*
														5·7	—	48	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average.	
	Ft.	°				°	°	°	°		in.	mm.	mm	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														4·5	—	38							
a Llangammarch Wells	550	58	24th	21	22nd	47·9	31·0	39·2	− 1·4	4	0·41	10	—	3·0	—	25	5	16	40·6	−0·4	44·2	+1·2	Llangammarch.
a Pembroke	149	52	25th	30	27th	47·4	38·9	43·0	+ 0·1	2	0·16	4	− 8	4·4	0·0	37							Pembroke.
p Cardiff	202	57	24th	27	27th	48·4	34·3	41·1	− 2·2	2	0·68	17	0	*3·6*	—	*30*	4	22	42·2	+1·2	44·0	+1·5	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	57	23rd	27	27th	47·7	36·1	41·7	− 1·0	3	0·78	20	+ 7	*3·6*	—	*30*	4	25					*Clifton.*
a Shaftesbury	722	56	24th	24	27th	47·3	33·3	40·1	− 1·0	3	0·50	13	0						42·6		44·0		Shaftesbury.
a Arlington	613	54	24th	26	21st	47·5	35·4	41·5	+ 0·1	4	0·39	10	− 11										Arlington.
a Newquay	*190*	*58*	*23rd*	*29*	*21st*	*49·9*	*38·3*	*43·9*	− *0·6*	*2*	*0·09*	*2*	− *11*	4·8	+ 0·3	40	2	22	45·3		45·8		Newquay.
a Cullompton	202	57	23, 24	24	21st	51·0	35·3	42·9	− 0·1	2	0·47	12	− 2	3·6	− 0·5	30	4	17	44·5				Cullompton.
a Portland Bill	19	52	24th	32	27th	47·3	38·6	42·8	− 0·6	4	0·63	16	—	*3·9*	—	*33*							*Weymouth.*
p Plymouth	116	57	24th	28	21st	50·1	39·3	44·5	+ 0·4	2	0·39	10	− 5	4·3	− 0·1	36			44·7	+0·5			Plymouth.
a Falmouth	167	58	24th	32	21st	50·1	40·1	45·0	+ 0·6	3	0·43	11	− 7	3·3	− 1·3	28	1	23	46·9		46·8		Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	51	23rd	31	27th	46·7	37·1	41·8	− 0·1	3	0·35	9	− 4	*4·7*		*39*							*Malin Head.*
a Blacksod Point ..	?	51	22nd	29	21st	47·7	34·9	41·1	− 2·7	2	0·20	5	− 16										
p Markree Castle ..	122	54	23-24	25	27th	49·4	31·9	40·4	− 1·4	2	0·11	3	− 15	4·6	+ 1·0	38	4	19	43·6		44·0		Markree Castle.
a Birr Castle	175	57	23rd	28	27th	48·1	34·5	41·0	− 0·8	3	0·28	7	− 6	*3·9*	+ *0·1*	*33*							*Birr Castle.*
b, East .. { *p* Armagh	196	53	24th	23	27th	48·7	33·1	40·7	− 1·2	3	0·13	3	− 10	4·4	+ 0·9	37	3	15	42·5	+0·2	43·8	+0·5	Armagh.
a Donaghadee	101	52	24th	33	27th	46·1	36·7	41·3	− 1·2	3	0·20	5	− 7										
														4·6	+ 0·4	38	2	22	43·8	+0·6	44·3	−0·4	Trinity Coll.
10. IRELAND, S.																	4	19					Phœnix Park.
a, East .. { *p* Dublin, City	47	55	23, 24	35	22, 27	49·3	39·0	44·0	+ 0·1	4	0·72	18	+ 7				0	31					Dublin City.
a Kilkenny	212	55	23rd	24	21st	48·1	35·7	41·7	− 1·0	3	0·27	7	− 5										
a Waterford	30	56	24th	26	21st	47·6	37·6	42·5	− 0·9	2	0·59	15	0										
a Seskin, Carrick-on-Suir	*541*	*56*	*24th*	*27*	*27th*	*47·6*	*35·4*	*41·3*	—	*3*	*0·52*	*13*	—	*3·6*	—	*30*	2	20					*Seskin.*
b, West .. { *a* Birr Castle	175	57	23rd	28	27th	48·1	34·3	41·0	− 0·8	3	0·28	7	− 6	3·9	+ 0·1	33							Birr Castle.
a Foynes	50	57	23rd	32	22, 27	49·0	38·1	43·4	− 0·5	2	0·71	18	+ 3										
a Cahir	199	55	24th	25	21st	48·3	35·7	41·8	− 1·2	3	0·26	7	—										
a Killarney	174	57	23rd	29	21, 27	50·6	39·1	44·7	+ 0·2	2	0·28	7	− 18										
a Valencia	30	56	23rd	30	21st	†0·4	39·9	45·0	− 0·1	3	0·59	15	− 19	3·2	− 1·0	27							Valencia.
a Roche's Point	32	54	25th	31	21, 22	48·0	38·9	43·3	− 1·2	3	0·39	10	− 6	3·7		31							Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	56	24th	37	21, 27	51·4	42·6	46·9	+ 1·0	1	0·04	1	− 12	3·8	− 0·9	32							Scilly.
a Jersey, St. Aubins ..	25	56	23rd	28	21st	50·0	38·0	43·8	− 1·3	5	0·59	15	+ 2	4·8	− 0·2	40							St. Heliers.
a Guernsey (Villa Carey)	180	60	23rd	32	21st	51·3	39·9	45·4	+ 0·2	5	0·49	12	− 2	3·6	− 1·3	30	1	25	45·5	+0·4	46·4	+0·8	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, March 27th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind						Extreme Velocities.				
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	Highest Hourly Wind.			Highest Gust with Date and Time.	
			Dates of Occurrence.	Total Duration.	Dates of Occurrence.	Total Duration	Total Duration.	Total Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.		m/s. d. h. m.	
1. SCOTLAND, E.													
Dyce	75	15**	—	—	—	—	7§	159§	W.	6	21st 16h.	16 21st 16 . 15	
Aberdeen*	105	37	—	—	—	—	45	123	NE.	8	24th 14h.	14 21st 13 . 12	
		52											
Edinburgh	39	31	—	—	21st	1	45	122	W. by S.	11	21st 15h.	18 21st 15 . 18	
6. SCOTLAND, W.													
Eskdalemuir	50	22	—	—	21st	2	82	84	WSW.	11	21st 11h.	17 21st 10 . 45	
Paisley (Coats Obs.)	81	52	—	—	—	—	35	133	W.	10	21st 13h.	20 21st 13 . 52	
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	23	145	N.	7	26th 12h	14 26th 14 . 15	
South Shields ..	61	12	—	—	21st	2	69	97	W. by N.	12	21st 2h.	19 21st 2 . 8	
Spurn Head	40	‡	—	—	—	—	—	—	—	—	—	— — —	
3. ENGLAND, E.													
Gorleston	42	‡‡	—	—	25th	6§	59§	45§	—	12	25th 7h	16 25th 8 . 45	
Shoeburyness ..	90	‡	—	—	—	—	42§	118§	NE.	9	27th 15h.	12 25th 10 . 3	
4. MIDLAND COUNTIES.													
Benson	45	‡	—	—	—	—	41§	120§	NNE.	10	25th 9h.	16 25th 9 . 10	
5. ENGLAND, S.E.													
Dover	40	‡	—	—	—	—	—	—	—	—	—	— — —	
Warlingham	33	‡‡	—	—	—	—	18	150	—	7	25th 15h.	20 25th 10 . 8	
Brighton	53	6	—	—	—	—	48	120	—	10	25th 12h.	17 25th 11 . 2	
Kew†	65	7	—	—	—	—	25	143	NE.	8	25th 11h.	13 25th 13 . 8	
		22											
South Kensington ..	92	30				Instrument dismounted.							
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	15	153	ENE.	8	25th 9h.	13 25th 9 . 10	
Southport	62	48	—	—	—	—	61	107	NE. by E.	11	25th 6h.	17 25th 5 . 57	
Holyhead*	40	‡	—	—	25th	11	76	81	E. by N.	15	25th 8h.	21 25th 8 . 45	
8. ENGLAND, S.W.													
Pendennis Castle* ..	65	24	25th	1	21 to 23 & 25 to 27	78	34	55	E.	18	25th 21h.	22 25th 21 . 0	
Plymouth††	—	—	—	—	—	—	61	107	—	9	26th 14h.	16 26th 13 . 30	
10. IRELAND, S.													
Quilty	40	‡‡	—	—	23, 25	5	105	58	—	12	25th 13h.	18 25th 12 . 43	
Weaver Pt.	30	‡	—	—	25, 26	11	86	71	—	12	25th 17h.	18 25th 16 . 55	
11. ENGLISH CHANNEL.													
Scilly*	19	‡	—	—	21, 22, 25 to 27	42	64	62	E.	14	26th 11h.	21 26th 11 . 30	

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

** Above tops of trees.

†† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWELFTH WEEK—March 21st to March 27th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	26	42·6	32·1	37·2	− 2·8	2	− 12	34	+ 6	4	− 2	0·52	13	− 13	3·1	−0·2	26	1016
Eastern.																			
1. SCOTLAND, EAST ...	52	23	44·1	31·6	37·7	− 2·5	6	− 14	37	+ 6	4	0	0·73	19	+ 6	3·6	−0·3	30	1016
2. ENGLAND, N.E.	64	25	48·5	34·7	41·4	+ 0·1	18	− 4	29	+ 4	5	+ 1	0·39	10	+ 1	5·0	+0·7	42	1016
3. ENGLAND, EAST ...	63	25	49·7	34·9	42·1	+ 0·3	31	+ 3	20	− 7	5	+ 1	0·55	14	+ 5	4·2	−0·1	35	1015
4. MIDLAND COUNTIES ...	63	22	49·7	32·5	40·9	− 0·9	22	− 6	37	+ 10	4	+ 1	0·46	12	+ 3	4·0	+0·1	33	1015
5. ENGLAND, S.E.	60	25	49·4	36·2	42·6	− 0·3	29	+ 1	16	− 4	3	0	0·34	9	− 1	3·6	−0·6	30	1015
Western.																			
6. SCOTLAND, WEST ...	55	20	47·0	34·8	40·7	− 0·8	14	− 6	27	+ 5	3	− 2	0·33	8	− 12	4·9	+1·0	41	1016
7. ENGLAND, N.W.	60	24	48·8	35·2	41·8	− 0·1	19	− 2	27	+ 7	3	0	0·31	8	− 5	5·3	+1·5	44	1015
8. ENGLAND, S.W.	58	21	48·5	36·2	42·2	− 1·1	26	− 1	16	0	3	0	0·48	12	− 3	4·0	−0·4	33	1014
9. IRELAND, NORTH ...	57	23	47·8	34·7	41·1	− 1·3	16	− 7	29	+ 10	3	− 1	0·21	5	− 11	4·5	+0·8	38	1015
10. IRELAND, SOUTH ...	57	24	48·8	37·6	43·0	− 0·9	25	− 5	12	− 3	3	− 1	0·45	12	− 5	3·9	−0·3	32	1013
11. ENGLISH CHANNEL ...	60	28	50·9	40·2	45·4	− 0·3	31	− 1	5	− 1	4	0	0·37	9	− 3	3·1	−2·1	26	1012

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 4 Weeks, February 28th to March 27th, 1915.

0. SCOTLAND, NORTH ...	56	23	44·9	34·6	39·6	*	40	+ 4	102	− 28	20	− 1	3·96	100	− 2	2·6	−0·2	23	1013
Eastern.																			
1. SCOTLAND, EAST ...	61	11	46·0	33·1	39·4	*	44	− 8	130	− 14	16	0	2·15	55	+ 2	3·4	+0·1	31	1014
2. ENGLAND, N.E.	64	25	48·2	35·8	41·8	*	82	+ 17	87	− 29	16	+ 1	1·53	39	− 1	3·6	−0·1	32	1015
3. ENGLAND, EAST ...	63	22	47·9	36·2	41·9	*	82	0	79	− 47	15	0	1·56	40	+ 5	2·8	−0·9	25	1015
4. MIDLAND COUNTIES ...	63	22	48·5	35·3	41·7	*	80	− 4	100	− 25	12	− 1	1·16	30	− 10	3·0	−0·3	27	1016
5. ENGLAND, S.E.	60	23	48·3	37·3	42·6	*	85	− 1	65	− 32	11	− 2	0·89	23	− 20	2·7	−0·9	24	1015
Western.																			
6. SCOTLAND, WEST ...	60	20	46·9	35·6	41·1	*	55	− 1	99	− 7	14	− 3	2·13	53	− 29	3·7	+0·5	33	1016
7. ENGLAND, N.W.	60	24	47·2	36·9	41·9	*	62	− 1	76	− 21	15	+ 1	1·62	41	− 13	3·2	−0·1	28	1017
8. ENGLAND, S.W.	59	21	48·1	37·0	42·4	*	82	− 6	70	− 10	11	− 3	1·29	33	− 31	3·4	−0·3	30	1018
9. IRELAND, NORTH ...	59	21	48·0	36·6	42·2	*	73	− 3	69	− 20	15	− 3	1·25	32	− 30	3·0	−0·1	27	1017
10. IRELAND, SOUTH ...	59	21	49·2	37·5	43·1	*	100	− 1	57	− 12	12	− 4	1·14	30	− 40	3·6	0·0	31	1019
11. ENGLISH CHANNEL ...	60	28	49·6	40·8	45·1	*	110	+ 1	17	− 14	11	− 5	0·80	20	− 34	3·3	−1·2	29	1018

THE YEAR.—Aggregates, &c., for the Period of 12 Weeks, January 3rd, 1915, to March 27th, 1915.

0. SCOTLAND, NORTH ...	56	12	43·2	33·9	38·6	*	73	− 17	362	− 62	63	+ 1	14·36	365	+ 8	1·7	−0·1	19	1003
Eastern.																			
1. SCOTLAND, EAST ...	61	11	43·1	32·2	37·7	*	65	− 48	459	− 21	52	+ 5	7·81	199	+ 33	2·1	−0·2	24	1004
2. ENGLAND, N.E.	64	23	44·9	34·9	39·9	*	124	− 11	309	− 75	55	+11	6·59	167	+ 49	2·3	−0·2	24	1006
3. ENGLAND, EAST ...	63	18	45·3	35·3	40·3	*	142	− 17	296	−132	58	+14	7·17	182	+ 71	2·1	−0·5	22	1007
4. MIDLAND COUNTIES ...	63	21	45·6	34·2	40·0	*	152	− 22	346	− 79	47	+ 5	7·27	185	+ 49	2·2	−0·1	23	1008
5. ENGLAND, S.E.	60	15	46·3	36·2	41·2	*	186	− 3	252	− 75	47	+ 6	8·70	222	+ 78	2·2	−0·4	22	1008
Western.																			
6. SCOTLAND, WEST ...	60	20	44·4	34·5	39·5	*	96	− 40	338	0	54	+ 1	11·66	296	+ 10	2·5	+0·4	27	1005
7. ENGLAND, N.W.	60	21	44·9	36·0	40·5	*	125	− 21	270	− 49	49	+ 2	9·31	236	+ 52	2·4	+0·2	26	1007
8. ENGLAND, S.W.	59	17	46·2	36·5	41·3	*	178	− 44	243	− 12	53	+ 6	11·35	289	+ 65	2·6	0·0	27	1009
9. IRELAND, NORTH ...	59	20	45·4	35·0	40·2	*	142	− 44	294	+ 13	56	+ 1	8·78	224	+ 11	2·2	0·0	24	1005
10. IRELAND, SOUTH ...	59	21	46·8	36·2	41·5	*	198	− 68	244	+ 29	57	+ 7	10·63	273	+ 30	2·8	+0·2	29	1008
11. ENGLISH CHANNEL ...	60	27	48·3	39·9	44·1	*	273	− 32	107	+ 6	56	+ 3	9·53	242	+ 53	2·8	−0·4	29	1010

W. N. SHAW, Director.
Meteorological Office, South Kensington, March 31st, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 13. THIRTEENTH WEEK, SUNDAY, MARCH 28TH, TO SATURDAY, APRIL 3RD, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks.

The cold weather which set in on Thursday of last week continued during the first half of the current week. Snow showers fell on March 28th and 29th in many parts of Great Britain, and lay to a depth of 2 in. at Rounton and 3 in. at Marchmont. Sharp night frosts occurred at the same time in nearly all districts. In the screen the thermometer fell slightly below 20°, while on the surface of the grass the minima were as low as 11° at Wisley, 12° at Stonyhurst and Llangammarch Wells, 13° at Birmingham and Hampstead, and 14° at West Linton. At Hodsock Priory, Worksop, the night of March 29th–30th was colder than any experienced in the locality during the three preceding winter months. After the middle of the week the thermometer rose gradually, and although night frosts were still experienced in many districts, the day temperatures recorded between April 1st and 3rd were above 55° in several parts of England and Ireland. At Cahir the thermometer on April 3rd rose to 59°, and at Seskin, Carrick-on-Suir, to 61°. On April 2nd rain spread quickly from the westward over the entire kingdom, and at the close of the week the weather was unsettled. Thunder and lightning occurred at Glencarron on April 3rd, and lightning at Strathpeffer and Fort William.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Deficient	Deficient	Deficient	Deficient	Very deficient	Deficient	Deficient	Very deficient	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Light	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Abundant	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate

THE SEASON.

SPRING, 5 weeks from Feb. 28th, 1915.	Warmth ...	1, 4, 0	1, 2, 2	2, 2, 1	1, 3, 1	1, 2, 2	1, 3, 1	0, 3, 2	0, 4, 1	0, 4, 1	1, 2, 2	1, 2, 2	0, 4, 1
	Rainfall ...	1, 1, 3	2, 2, 1	1, 3, 1	2, 2, 1	0, 3, 2	0, 3, 2	1, 1, 3	2, 2, 1	0, 3, 2	0, 2, 3	0, 2, 3	0, 3, 2
	Sunshine ...	0, 4, 1	1, 4, 0	0, 4, 1	1, 2, 2	0, 4, 1	0, 3, 2	3, 1, 1	2, 2, 1	0, 5, 0	2, 2, 1	2, 2, 1	0, 3, 2

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 2, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, April 3rd. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	—	—	—	—	IRELAND, S.W. Cleggan	48	42	45·3	−0·5
Wick	41	41	41·0	−2·3	ENGLAND, N.E. Burnmouth, Berwick	43	40	41·7	+1·1
SCOTLAND, W. Ballantrae	45	40	42·5	−1·5	ENGLAND, E. Shipwash Lightship	42	40	41·3	−0·1
ENGLAND, S.W. Scilly*	49	45	45·7	—	ENGLAND, S.E. Eastbourne‡	43	41	41·9	−1·6
Plymouth‡	47	46	46·1	−0·9	ENGLAND, N.W. Port Erin	—	—	—	—
IRELAND, N.W. Sheephaven	47	43	45·5	−0·2					

* Three days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4537—17.) Wt. 160—610. 450. 4/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*	*46*	*3rd*	*25*	*31st*	*40·4*	*29·9*	*35·0*	—	7	*0·88*	*22*	—	*2·2*	—	*17*	•	•	36·1	•	•	•	*Baltasound.*
a Islands .. *a Lerwick* ..	54	47	3rd	28	31st	41·1	30·7	35·8	- 3·6	7	0·91	23	—	2·9	- 1·1	21	•	•	•	•	•	•	Deerness.
a Stornoway	51	51	2, 3	31	28th	46·7	35·4	40·9	+ 0·1	6	0·83	21	0	2·6	- 1·5	21	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd. ..	*37*	*50*	*2, 3*	*31*	*29th*	*47·0*	*38·4*	*42·6*	+ *0·4*	*6*	*0·83*	*21*	—	*4·7*	—	*37*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	50	31st	28	29th	44·3	32·7	38·3	- 2·4	6	0·07	17	+ 5	•	•	•	•	•	•	•	•	•	
b, Main- *p* Strathpeffer ..	200	54	3rd	27	28th	47·6	33·4	40·3	- 0·3	4	0·40	10	- 3	2·9	- 0·6	23	•	•	•	•	•	•	Strathpeffer.
land. *p* Glencarron ..	500									5	1·37	35	- 5	•	•	•	•	•	•	•	•	•	
p Fort Augustus..	68	52	3rd	26	29th	48·3	32·9	40·4	- 0·2	4	0·48	12	- 6	3·0	0·0	24	•	•	•	•	•	•	Fort Augustus.
p Fort William ..	171	53	31st	24	28th	49·1	33·0	40·8	- 1·0	4	1·18	30	- 4	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
p Gordon Castle ..	101	53	2, 3	27	29th	47·3	33·4	40·1	- 1·6	7	0·53	13	+ 1	2·9	—	23	4	21	38·7	-1·2	39·4	-0·1	Crathes.
a Nairn	82	54	3rd	27	28th	47·7	33·0	40·1	- 0·8	5	0·28	7	- 3	*3·3*	—	*26*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen ..	46	52	31, 2	29	28th	47·1	33·7	40·2	- 1·1	5	0·35	9	- 4	2·7	—	21	•	•	•	•	•	•	Nairn.
a Balmoral ..	930	49	31st	19	29th	45·9	28·6	37·0	- 0·4	*2*	*0·10*	*3*	- 12	3·0	- 1·3	24	•	•	•	•	40·7	+0·4	Aberdeen.
p Crieff	432	53	1st	25	29th	49·1	31·9	40·3	- 1·5	3	0·37	9	- 7	•	•	•	7	16	•	•	•	•	Balmoral.
														5·0	—	40	•	•	•	•	•	•	Balruddery.
a Leith	18	54	3rd	30	29, 30	48·9	34·9	41·7	- 0·8	2	0·16	4	- 4	•	•	•	•	•	•	•	•	•	
a West Linton ..	769	50	3rd	22	29th	45·9	29·6	37·5	- 0·7	5	0·62	16	—	*4·5*	—	*36*	5	14	•	•	•	•	*West Linton.*
p Marchmont ..	498	52	1st	24	29th	46·4	31·4	38·7	- 1·5	2	0·11	3	- 11	5·4	+ 1·5	43	6	19	•	•	•	•	Marchmont.
a Edinburgh ..	*441*	*52*	*1st*	*28*	*29th*	*46·9*	*34·6*	*40·6*	—	*3*	*0·31*	*8*	—	4·8	—	38	4	22	•	•	•	•	Edinburgh.
6. *a*, SCOTLAND, W.																							
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	51	3rd	28	28, 29	46·9	34·6	40·6	- 1·1	4	0·64	16	+ 3	4·0	+ 0·8	32	4	20	•	•	•	•	Glasgow.
p Rothesay‡	170	51	1, 2	28	28, 29	47·1	34·4	40·6	- 1·9	5	1·27	32	+ 14	*4·5*	—	*36*	4	20	40·3	•	42·5	+0·3	*Rothesay.*
a Kilmarnock	90	53	1st	18	28th	48·7	29·6	38·9	- 3·2	4	0·83	21	—	*4·7*	—	*37*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	52	1, 3	23	28th	48·1	30·4	39·0	- 3·6	4	0·76	19	+ 1	•	•	•	6	16	•	•	•	•	
a Dumfries	160	52	2nd	26	29th	47·1	31·9	39·3	- 3·1	4	0·64	16	+ 1	*5·3*	—	*42*	5	22	39·1	•	41·8	•	*Dumfries.*
Eskdalemuir ..	*799*	*51*	*1st*	*21*	*29, 31*	*45·4*	*25·4*	*35·1*	—	*5*	*1·10*	*28*	—	*4·9*	—	*40*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse ..	120	52	1, 2	24	29, 31	48·6	28·4	38·2	- 3·9	3	1·29	33	+ 13	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas	277	53	3rd	30	29, 30	47·6	35·3	41·3	- 1·3	3	0·91	23	+ 7	6·8	+ 1·9	51	4	23	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle ..	219	54	1st	24	29th	48·0	32·1	39·8	- 1·4	4	0·21	5	- 8	5·0	—	40	6	21	37·5	-2·3	40·9	+0·6	Cockle Park.
a Tynemouth	71	51	31,1,2,3	29	28th	47·7	32·4	39·8	- 2·0	4	0·35	9	- 1	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	51	31, 2	25	28th	46·3	30·9	38·4	- 2·8	3	0·21	5	- 4	4·6	+ 0·7	37	6	16	•	•	•	•	Durham.
a, North .. *p* Rounton	249	51	31, 1	20	28th	45·6	27·9	36·5	- 4·5	4	0·35	9	- 2	•	•	•	7	17	37·8	•	•	•	Rounton.
a West Witton ..	*605*	*51*	*3rd*	*23*	*29th*	*45·0*	*30·3*	*37·4*	—	*4*	*0·38*	*10*	—	•	•	•	5	19	37·9	•	39·7	•	*West Witton.*
p Scarborough ..	100	54	1st	31	28th	47·9	36·0	41·8	- 0·5	2	0·33	8	- 2	5·5	—	44	•	•	•	•	43·0†	•	Scarborough.
p York	56	53	1, 3	24	30th	47·9	31·1	39·3	- 3·5	3	0·30	8	- 2	2·8	- 0·9	22	•	•	40·2	-1·3	42·8	+1·3	York.
a Spurn Head ..	26	51	31st	29	29th	46·6	33·3	39·8	- 2·5	3	0·28	7	0	*4·4*	—	*35*	•	•	•	•	•	•	*Spurn Head.*
b, South .. *a* Lincoln ..	58	52	1st	26	30, 31	47·3	30·4	38·6	- 4·2	3	0·19	5	- 4	•	•	•	•	•	38·5	-2·7	42·8	+1·5	Lincoln.
a Fulbeck	180	52	31, 1	22	29th	46·6	28·7	37·4	- 5·4	4	0·27	7	- 2	4·2	—	33	6	20	41·3	-1·5	43·8	+1·1	Rauceby.
														5·6	—	44	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	53	2nd	28	29th	46·9	34·4	40·5	- 0·7	4	0·23	6	—	6·4	—	51	•	•	•	•	•	•	Cromer.
p Little Massingham ..	280	52	1, 2	25	28, 29	47·0	30·0	38·3	- 4·3	4	0·20	5	- 5	6·1	+ 1·9	48	6	17	•	•	•	•	Lit. Massingham
a, North .. *a* Yarmouth	17	54	2nd	29	29th	46·7	32·6	39·4	- 2·3	4	0·24	6	- 3	6·1	—	48	•	•	42·0	-1·0	45·0	+1·1	Yarmouth.
a Norwich	93	54	2nd	26	28, 29	48·1	31·0	39·3	- 3·0	3	0·14	4	—	*5·2*	—	*41*	6	18	39·7	•	•	•	*Norwich.*
a Geldeston	37	56	1st	25	29th	48·4	31·7	39·8	- 2·7	4	0·12	3	- 6	5·3	+ 0·7	42	•	•	•	•	•	•	Geldeston.
p Cambridge	41	54	1st	24	28th	48·7	29·1	38·6	- 4·6	2	0·18	5	- 3	5·7	+ 1·2	45	6	18	41·6	-1·5	44·1	+0·6	Cambridge.
a Clacton-on-Sea ..	54	53	1st	29	29, 30	46·7	32·9	39·1	- 3·3	4	0·16	4	—	6·9	—	56	6	24	41·9	-1·3	44·6	+0·2	Clacton.
b, South .. *a* Rothamsted ..	424	52	1st	24	30th	46·4	28·9	37·4	- 5·0	2	0·25	6	- 4	5·6	+ 1·4	45	6	17	38·4	•	•	•	Rothamsted.
p Tottenham	51	51	28, 3	27	29, 30	47·0	32·6	39·6	- 3·9	3	0·30	8	—	5·4	—	44	6	24	•	•	44·1	+0·7	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	51	1st	25	28–30	45·4	30·9	37·9	- 3·4	2	0·43	11	- 1	4·3	—	34	6	18	39·2	-1·2	41·6	+0·8	Harrogate.
p Buxton	*987*	*48*	*31, 3*	*21*	*30th*	*43·0*	*27·4*	*35·0*	- *4·6*	*2*	*0·74*	*19*	- *2*	*3·5*	—	*28*	6	16	36·6	-3·2	40·1	-0·5	*Buxton.*
														2·9	—	23	5	19	38·5	-2·0	41·9	+1·2	Sheffield.
a Bawtry	65	52	1st	22	30th	47·9	29·3	38·3	- 4·5	3	0·26	7	- 1	3·6	- 0·1	29	7	17	39·8	•	42·7	•	Worksop.
a Nottingham	82	52	31, 3	23	30th	46·9	27·3	36·8	- 5·9	3	0·32	8	- 1	3·8	—	30	6	20	37·1	-3·9	40·6	+0·1	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	53	1st	26	28–30	46·6	31·4	38·8	- 3·7	2	0·17	4	- 6	3·4	—	27	4	13	38·5	-2·8	43·5	+0·6	Birmingham.
a Raunds	203	54	31st	19	30th	49·1	26·1	37·3	- 5·1	2	0·28	7	—	*5·6*	—	*44*	7	15	41·2	•	44·5	•	*Raunds.*
p Oxford	208	53	1st	25	30th	48·4	30·9	39·4	- 4·1	2	0·14	4	- 4	6·1	+ 1·9	49	6	16	•	•	•	•	Oxford.
a Cheadle	646	52	28th	30	28th	47·4	33·9	40·5	- 0·8	1	0·18	5	- 7	•	•	•	6	22	•	•	•	•	Cheadle.
p Shrewsbury ..	191	55	31st	20	28, 29	49·9	30·4	39·9	- 3·4	2	0·33	8	—	•	•	•	6	16	•	•	•	•	Shrewsbury.
c, West .. *a* Hereford§ ..	291	55	31, 1, 3	24	30th	49·4	28·4	38·6	- 4·9	2	0·10	3	- 7	*5·3*	—	*43*	6	18	39·3	•	42·7	•	*Malvern.§*
a Cirencester ..	446	52	1st	25	28, 30, 2	46·8	27·5	36·9	- 5·2	3	0·26	7	- 4	5·7	+ 1·4	46	6	23	40·3	•	43·0	•	Cirencester.
a Bath	66	55	1st	26	31st	49·1	27·4	37·9	- 5·7	2	0·16	4	- 8	5·6	—	44	•	•	42·0	-2·1	44·2	-0·4	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	53	1st	22	30th	47·3	27·3	37·0	- 4·7	1	0·09	2	- 11	5·9	—	48	6	23	41·7	-1·8	44·9	+0·7	Worthing.
a Margate	53	56	2nd	31	29th	46·4	35·7	40·9	- 2·4	2	0·22	6	- 2	3·6	- 0·3	29	6	19	42·3	•	46·5	•	Marlborough.
a Wisley, Surrey ..	150	54	1st	22	29th	47·1	28·3	37·4	- 6·6	2	0·18	5	—	6·1	+ 1·7	49	3	27	41·2	-1·3	43·9	+1·1	Margate.
p Salisbury (Wilton) ..	180	55	3rd	22	30th	48·0	28·6	38·0	- 5·9	3	0·13	3	- 9	4·7	—	38	6	11	38·7	-3·8	42·8	-0·6	Wisley.
a Tunbridge Wells ..	354	55	1st	26	29th	47·7	30·0	38·6	- 4·5	2	0·35	9	- 3	•	•	•	6	17	41·4	•	•	•	Salisbury.
														5·4	+ 0·9	44	6	18	40·4	-1·7	43·1	•	Tunbridge Wells.
a Dungeness	21	49	1, 2	30	29th	45·1	33·3	39·0	- 4·2	3	0·24	6	- 3	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	51	2nd	29	29, 30	44·6	33·9	39·1	- 5·0	2	0·41	10	- 1	5·6	+ 0·7	45	6	23	41·5	•	44·1	•	Hastings.
p Southampton ..	64	54	1st	26	30th	47·6	30·6	38·9	- 6·9	2	0·18	5	- 7	4·6	0·0	37	6	18	•	•	•	•	Southampton.
a Ventnor	59	55	1st	30	30th	47·9	31·9	41·2	- 4·0	1	0·10	3	- 7	6·4	+ 1·2	52	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	53	1st	26	30th	46·6	31·5	38·8	- 5·0	2	0·28	7	- 2	4·3	+ 0·3	35	6	18	38·8	-3·6	43·9	+0·2	Kew.
a Westminster ..	*27*	*55*	*1st*	*29*	*29th*	*48·3*	*32·2*	*40·0*	- *3·8*	*2*	*0·32*	*8*	- *1*	*4·0*	+ *1·2*	*32*	6	24	•	•	•	•	*Westminster.*
a Greenwich ..	*155*	*54*	*1, 2*	*26*	*29th*	*48·4*	*31·3*	*39·6*	- *5·0*	*3*	*0·35*	*9*	*0*	*5·6*	+ *1·8*	*45*	6	16	•	•	•	•	*Greenwich.*
a Hampstead ..	*450*	*54*	*1st*	*24*	*29th*	*46·6*	*29·9*	*38·0*	—	*3*	*0·35*	*9*	—	*5·7*	—	*46*	6	13	•	•	•	•	*Hampstead.*
a Camden Square ..	*110*	*57*	*1st*	*26*	*29th*	*50·4*	*31·0*	*40·4*	—	*3*	*0·34*	*9*	—	*4·7*	—	*38*	6	23	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
														4·6	—	37	•	•	•	•	•	•	Hoylake.
p Aspatria	250	51	1st	22	29th	47·0	32·3	39·4	- 2·0	2	0·96	24	+ 9	5·3	—	42	5	15	41·0	•	43·3	•	Aspatria.
p Newton Rigg ..	559	51	1, 3	23	28, 29	47·1	28·9	37·7	- 3·0	3	0·58	15	+ 1	4·9	+ 0·8	39	6	16	40·2	-0·8	41·4	+0·8	Newton Rigg.
p Stonyhurst ..	375	50	3rd	24	30th	45·7	31·6	38·4	- 3·2	2	1·34	34	+ 15	3·4	- 0·6	27	6	12	•	•	•	•	Stonyhurst.
p Blackpool	66	50	1st	24	30th	46·7	32·0	39·1	- 5·3	2	0·92	23	+ 10	6·4	+ 2·4	51	4	20	41·3	•	43·9	•	Blackpool.
a Southport	*37*	*50*	*3rd*	*25*	*28, 30*	*46·3*	*31·1*	*38·5*	- *4·0*	*3*	*0·80*	*20*	+ *8*	*6·0*	+ *1·8*	*48*	4	17	39·6	-2·5	42·8	+0·4	*Southport.*
a Liverpool (Bidston) ..	188	53	3rd	27	29th	46·1	33·3	39·5	- 4·4	2	0·39	10	0	*4·7*	—	*37*	•	•	•	•	•	•	*Liverpool.*
a Hawarden Bridge ..	*22*	*55*	*3rd*	*27*	*29th*	*47·9*	*33·1*	*40·3*	- *3·9*	*3*	*0·71*	*18*	+ *10*	*2·8*	—	*22*	4	23	37·9	-2·9	43·4	+1·1	*Manchester (City)*
p Manchester (Whit. Pk.)	125	52	3rd	26	30th	46·6	32·0	39·1	- 4·2	3	0·43	11	- 1	*1·8*	- *1·0*	*14*	•	•	•	•	•	•	" (Whit. Park).
b NORTH WALES.																							
p Llandudno	71	53	1, 3	32	28, 29	48·3	35·6	41·8	- 2·2	2	0·40	10	- 2	5·0	+ 0·8	40	•	•	•	•	•	•	Llandudno.
a Holyhead	15	53	1st	32	29, 30, 31	48·1	36·4	42·1	- 1·8	2	0·51	13	- 1	*6·6*	—	*52*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed ..	*148*	*52*	*31, 1*	*23*	*29, 30*	*47·4*	*30·7*	*38·8*	- *5·1*	*2*	*0·31*	*8*	—	*3·9*	—	*31*	•	•	38·7	-2·8	43·4	+0·4	*Bettws-y-Coed.*
														6·1	•	48	•	•	•	•	•	•	Aberdovey.

† At 3 ft § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft.	°				°	°	°	°		in.	mm.	mm	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														6·0	—	48							
a Llangammarch Wells	550	52	31st	18	30th	46·9	24·6	35·4	− 6·2	2	0·53	13	—	3·5	—	28	6	12	38·2	−3·7	44·2	+1·0	Aberystwyth.
a Pembroke	149	49	31, 1	29	29th	46·4	34·3	40·2	− 3·6	2	0·28	7	− 5	6·5	+ 1·7	52	*	*	*	*	*	*	Llangammarch.
p Cardiff	202	53	1st	28	28-30	46·7	32·0	39·1	− 5·5	2	0·48	12	− 4	5·7	—	*46*	6	21	39·9	−2·3	43·7	+0·7	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	229	54	1st	27	28th	48·1	33·2	40·4	− 4·1	2	0·38	10	− 3	*4·9*	—	*40*	5	24	*	*	*	*	*Clifton.*
a Shaftesbury	729	55	2nd	24	28.30	46·7	29·0	37·8	− 5·1	2	0·14	4	− 9	*	*	*	*	*	40·3	*	43·9	*	Shaftesbury.
a Arlington	613	51	1st	25	30th	45·5	30·0	37·7	− 4·9	4	0·95	24	+ 4	°	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*50*	*3rd*	*26*	*31st*	*45·6*	*31·6*	*38·4*	− *6·7*	2	*0·20*	*5*	− 7	5·8	+ 1·0	47	6	20	42·4	*	45·9	*	Newquay.
a Cullompton	202	58	1st	25	31st	48·3	29·3	38·5	− 5·5	2	0·14	4	− 9	4·8	+ 0·4	39	6	18	42·7	*	*	*	Cullompton.
a Portland Bill	19	51	1st	29	30th	45·3	34·4	39·7	− 4·9	2	0·16	4	—	*5·4*	—	*44*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	57	1st	30	29, 31, 1	48·0	32·7	40·1	− 5·0	2	0·25	6	− 8	5·7	+ 0·9	46	*	*	42·3	−2·9	*	*	Plymouth.
a Falmouth	167	54	1st	31	29-31	48·0	33·4	40·5	− 4·6	2	0·28	7	− 10	5·7	+ 0·7	46	6	21	44·6	*	46·9	*	Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	50	29, 3	30	1st	48·0	35·4	41·5	− 1·4	6	0·67	17	+ 5	*7·4*	—	*59*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	52	2nd	30	28th	47·9	36·9	42·2	− 2·5	6	0·59	15	− 5	*	*	*	*	*	*	*	*	*	
p Markree Castle ..	122	55	2, 3	20	29th	51·3	31·6	41·2	− 1·6	5	0·70	18	+ 1	5·2	+ 1·3	41	5	16	43·3	*	44·0	*	Markree Castle.
a Birr Castle	175	55	2nd	22	30th	49·9	30·1	39·7	− 3·0	3	0·43	11	− 2	*5·1*	+ *1·0*	*40*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	57	31, 2	22	28th	51·9	32·3	41·8	− 0·9	5	0·49	12	− 1	4·7	+ 0·9	37	4	16	41·6	−1·6	43·5	−0·2	Armagh.
a Donaghadee	101	55	3rd	34	28, 29, 30	48·6	36·1	42·2	− 1·0	2	0·28	7	− 5	*	*	*	*	*	*	*	*	*	
														*	*	*	4	22	43·2	−0·8	44·6	0·0	Trinity Coll.
10. IRELAND, S.														5·8	+ 1·3	46	6	21	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	58	3rd	32	30th	50·1	37·5	43·5	− 1·4	4	0·21	5	− 6	*	*	*	2	29	*	*	*	*	Dublin City.
a Kilkenny	212	58	3rd	26	31st	50·1	31·4	40·5	− 3·5	6	0·24	6	− 6	*	*	*	*	*	*	*	*	*	
a Waterford	30	57	2nd	28	30th	51·0	34·0	42·3	− 1·9	3	0·13	3	12	*	*	*	*	*	*	*	*	*	
a Seskin, Carrick-on-Suir	*541*	*61*	*3rd*	*24*	*28th*	*50·6*	*32·9*	*41·5*	—	*5*	*0·12*	*3*	—	*5·1*	—	*40*	4	21	*	*	*	*	*Seskin.*
b, West .. { *a* Birr Castle	175	55	2nd	22	30th	49·9	30·1	39·7	− 3·0	3	0·43	11	− 2	5·1	+ 1·0	40	*	*	*	*	*	*	Birr Castle.
a Foynes	50	55	3rd	30	28th	49·4	36·6	42·8	− 2·0	4	0·62	16	+ 1	*	*	*	*	*	*	*	*	*	
a Cahir	199	59	3rd	26	30th	50·3	30·3	40·0	− 3·8	4	0·21	5	—	*	*	*	*	*	*	*	*	*	
a Killarney	174	59	2nd	25	29th	52·2	33·6	42·6	− 2·4	3	0·19	5	− 19	°	*	*	*	*	*	*	*	*	
a Valencia	30	54	2nd	31	30, 31	49·0	35·7	42·2	− 3·7	5	0·39	10	− 15	7·4	+ 2·9	60	*	*	*	*	*	*	Valencia.
a Roche's Point	32	56	2nd	31	28, 29	49·3	36·0	42·5	− 2·8	6	0·20	5	− 11	4·5	—	36	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	53	1st	35	29, 30	48·0	38·9	43·3	− 3·4	2	0·16	4	− 8	3·9	− 1·1	31	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	51	1st	32	1st	46·7	36·3	41·4	− 4·7	1	0·04	1	− 12	6·2	+ 0·9	50	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	53	1st	31	1st	48·0	36·3	42·0	− 4·2	4	0·26	7	− 7	5·8	+ 0·5	47	3	25	43·3	−3·0	46·6	+0·4	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, April 3rd, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind: Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Total Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Total Duration	Fresh or Moderate Winds forces 4 and 5. Total Duration.	Calms and Light Airs. Total Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.		Highest Hourly Wind. Date and Hour.		Highest Gust with Date and Time.		
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.			m/s.	d.	h. m.
1. SCOTLAND, E.															
Dyce	75	15**	—	—	—	—	13	155	S.	7	2nd	10h.	20	1st	9 . 58
Aberdeen‡	105	37 / 52	—	—	1st	1	45	122	WNW.	11	1st	11h.	19	1st	10 . 35
Edinburgh	39	31	—	—	2, 3	6	64	98	SSW.	16	2nd	11h.	27	2nd	10 . 27
6. SCOTLAND, W.															
Eskdalemuir	50	22	—	—	2, 3	9	57	102	S. by W.	17	2nd	10h.	23	2nd	10 . 20
Paisley (Coats Obs.)	81	52	—	—	2nd	1	38	129	SW. by S.	11	2nd	9h.	20	2nd	9 . 3
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	—	—	13	155	?	8	2nd	13h.	15	2nd	13 . 25
South Shields ..	61	12	—	—	—	—	51	117	NE. by E.	9	28th	11h.	16	28th	11 . 15
Spurn Head	40	‡	—	—	—	—	34§	69§	SW.	10	2nd	17h.	16	2nd	13 . 35
3. ENGLAND, E.															
Gorleston	42	‡‡	—	—	—	—	48	120	—	10	2nd	15h.	15	2nd	14 . 35
Shoeburyness ..	90	‡	—	—	—	—	42	126	SW.	9	2nd	15h.	15	28th	4 . 50
4. MIDLAND COUNTIES.															
Benson	84	‡	—	—	2nd	1	39	128	SW.	11	2nd	15h.	18	2nd	15 . 25
5. ENGLAND, S.E.															
Dover	40	‡‡	—	—	30, 2	4	87	77	—	12	30th	16h.	17	2nd	19 . 30
Warlingham	33	‡‡	—	—	—	—	23	145	—	9	2nd	14h.	15	2nd	14 . 17
Brighton	53	‡	—	—	—	—	26§	119§	—	8	28th	11h.	14	28th	10 . 55
Kew†	65	7 / 22	—	—	—	—	19	149	SW.	9	2nd	13h.	14	2nd	13 . 23
South Kensington ..	92	30	Records	recommen	ced April 1st.	—	2§	58§	SW.	5	2nd	14h.	11	2nd	13 . 42
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	—	—	24	144	SW.	8	2nd	14h.	14	2nd	12 . 53
Southport	62	48	—	—	2nd	2	80	86	SW. by W.	13	2nd	15h.	22	2nd	14 . 45
Holyhead*	40	‡	—	—	2nd	5	100	63	SW.	14	2nd	11h.	21	2nd	10 . 58
8. ENGLAND, S.W.															
Pendennis Castle* ..	65	24	—	—	28, 29, 2, 3	36	55	77	SW.	17	2nd	13h.	22	2nd	12 . 40
Plymouth††	—	—	—	—	—	—	28	140	—	10	2nd	14h.	15	2nd	13 . 40
10. IRELAND, S.															
Quilty	40	‡‡	—	—	2, 3	16	86	66	—	14	3rd	8h.	19	3rd	2 . 30
Weaver Pt.	30	‡‡	—	—	2nd	4	67	97	—	13	2nd	9h.	19	2nd	9 . 10
11. ENGLISH CHANNEL.															
Scilly*	19	‡	—	—	3rd	1§	73§	89§	W.	11	3rd	16h.	16	28th	11 . 50

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

** Above tops of trees.

†† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTEENTH WEEK—March 28th to April 3rd, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	24	46·2	33·0	39·4	− 1·0	12	− 5	33	+ 6	5	+ 1	0·83	21	− 2	2·9	−1·1	23	1010
Eastern.																		
1. SCOTLAND, EAST ...	54	19	47·3	32·1	39·5	− 1·2	15	− 7	37	+ 8	4	0	0·31	8	− 4	4·0	−0·3	32	1012
2. ENGLAND, N.E.	54	20	47·1	31·4	39·0	− 2·8	14	− 9	39	+ 16	3	0	0·28	7	− 3	4·6	−0·1	37	1014
3. ENGLAND, EAST ...	56	24	47·2	31·5	39·1	− 3·7	15	− 15	39	+ 15	3	0	0·20	5	− 4	5·9	+1·2	47	1016
4. MIDLAND COUNTIES ...	55	19	47·9	29·4	38·4	− 4·3	17	− 15	46	+ 21	2	− 2	0·24	6	− 4	4·4	+0·1	35	1016
5. ENGLAND, S.E.	56	22	46·8	31·4	38·9	− 5·1	13	− 19	39	+ 23	2	− 1	0·22	6	− 3	5·2	+0·4	42	1016
Western.																		
6. SCOTLAND, WEST ...	53	18	47·7	32·0	39·7	− 2·4	16	− 6	38	+ 17	4	0	0·91	23	+ 4	5·4	+0·9	43	1014
7. ENGLAND, N.W.	55	22	47·1	32·9	39·8	− 2·8	14	− 10	34	+ 15	2	− 2	0·73	18	+ 4	5·1	+1·0	40	1016
8. ENGLAND, S.W.	58	18	47·0	31·3	38·9	− 5·3	14	− 18	39	+ 25	2	− 2	0·36	9	− 6	5·4	+0·7	44	1017
9. IRELAND, NORTH ...	57	20	49·6	33·7	41·4	− 1·6	21	− 5	33	+ 15	5	0	0·53	13	− 4	5·0	+0·8	39	1014
10. IRELAND, SOUTH ...	59	22	50·1	33·9	41·8	− 2·8	23	− 10	33	+ 19	4	0	0·29	7	− 10	5·7	+0·9	45	1017
11. ENGLISH CHANNEL ...	53	31	47·6	37·2	42·2	− 4·4	22	− 15	13	+ 9	2	− 2	0·16	4	− 8	5·3	−0·3	43	1016

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 5 Weeks, February 28th to April 3rd, 1915.

0. SCOTLAND, NORTH ...	56	23	45·2	34·2	39·5	*	52	− 1	135	− 22	25	0	4·84	122	− 3	2·6	−0·4	23	1013
Eastern.																			
1. SCOTLAND, EAST ...	61	11	46·3	32·9	39·4	*	59	− 15	167	− 6	20	0	2·46	63	− 2	3·5	0·0	31	1013
2. ENGLAND, N.E.	64	20	48·0	34·9	41·2	*	96	+ 8	126	− 13	19	+ 1	1·81	46	− 4	3·8	−0·1	33	1015
3. ENGLAND, EAST ...	63	22	47·8	35·2	41·3	*	97	− 15	118	− 32	18	0	1·76	45	+ 1	3·4	−0·5	30	1015
4. MIDLAND COUNTIES ...	63	19	48·4	34·1	41·1	*	97	− 19	146	− 4	14	− 3	1·40	36	− 14	3·3	−0·2	28	1016
5. ENGLAND, S.E.	60	22	48·0	36·1	41·9	*	98	− 20	104	− 9	13	− 3	1·11	29	− 23	3·2	−0·7	28	1015
Western.																			
6. SCOTLAND, WEST ...	60	18	47·1	34·8	40·8	*	71	− 7	137	+ 10	18	− 3	3·04	76	− 25	4·1	+0·6	35	1015
7. ENGLAND, N.W.	60	22	47·1	36·1	41·5	*	76	− 11	110	− 6	17	− 1	2·35	59	− 9	3·6	+0·2	31	1017
8. ENGLAND, S.W.	59	18	47·9	35·9	41·7	*	96	− 24	109	+ 15	13	− 5	1·65	42	− 37	3·8	−0·1	33	1018
9. IRELAND, NORTH ...	59	20	48·3	36·0	42·0	*	94	− 8	102	− 5	20	− 3	1·78	45	− 34	3·4	+0·1	29	1016
10. IRELAND, SOUTH ...	59	21	49·3	36·8	42·9	*	123	− 11	90	+ 7	16	− 4	1·43	37	− 50	4·0	+0·2	34	1018
11. ENGLISH CHANNEL ...	60	28	49·2	40·1	44·5	*	132	− 14	30	− 5	13	− 7	0·96	24	− 42	3·7	−1·1	32	1017

THE YEAR.—Aggregates, &c., for the Period of 13 Weeks, January 3rd to April 3rd, 1915.

0. SCOTLAND, NORTH ...	56	12	43·4	33·8	38·6	*	85	− 22	395	− 56	68	+ 2	15·24	387	+ 7	1·8	−0·1	19	1004
Eastern.																			
1. SCOTLAND, EAST ...	61	11	43·4	32·2	37·8	*	80	− 55	496	− 13	56	+ 5	8·12	207	+ 29	2·3	−0·2	24	1005
2. ENGLAND, N.E.	64	20	45·1	34·6	39·8	*	138	− 20	348	− 59	58	+11	6·87	174	+ 46	2·5	−0·2	26	1006
3. ENGLAND, EAST ...	63	18	45·4	35·0	40·2	*	157	− 32	335	−117	61	+14	7·37	187	+ 67	2·4	−0·4	24	1008
4. MIDLAND COUNTIES ...	63	19	45·8	33·8	39·8	*	169	− 37	392	− 58	49	+ 3	7·51	191	+ 45	2·4	0·0	24	1008
5. ENGLAND, S.E.	60	15	46·3	35·9	41·1	*	199	− 22	291	− 52	49	+ 5	8·82	225	+ 72	2·4	−0·3	24	1009
Western.																			
6. SCOTLAND, WEST ...	60	18	44·7	34·3	39·5	*	112	− 46	376	+ 17	58	+ 1	12·57	319	+ 14	2·8	+0·5	29	1006
7. ENGLAND, N.W.	60	21	45·1	35·7	40·4	*	139	− 31	304	− 34	51	0	10·04	254	+ 56	2·6	+0·3	27	1007
8. ENGLAND, S.W.	59	17	46·3	36·9	41·2	*	192	− 62	282	+ 13	55	+ 4	11·71	298	+ 59	2·8	0·0	29	1009
9. IRELAND, NORTH ...	59	20	45·7	34·9	40·3	*	163	− 49	327	+ 28	61	+ 1	9·31	237	+ 7	2·5	+0·1	26	1006
10. IRELAND, SOUTH ...	59	21	47·1	36·1	41·5	*	221	− 78	277	+ 48	61	+ 7	10·92	280	+ 20	3·0	+0·3	31	1009
11. ENGLISH CHANNEL ...	60	27	48·2	39·7	44·0	*	295	− 47	120	+ 15	58	+ 1	9·69	246	+ 45	3·0	−0·4	30	1010

W. N. SHAW, Director.
Meteorological Office, South Kensington, April 7th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 14. FOURTEENTH WEEK, SUNDAY, APRIL 4TH, TO SATURDAY, APRIL 10TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks.

Although the weather was unsettled, it was relatively sunny. Rain was of frequent occurrence, except in the east and north-east of England. In England South-East the total amount of rain was twice as much as the normal, while in England North-East the total rainfall was only 2 mm., or 20 per cent. of the average; at Tynemouth the week was quite rainless, and at Scarborough and Lincoln the measurement was less than 1 mm. Owing to heavy local falls on the 8th there was a large excess in Scotland North. Temperature was slightly above the average in most places. On the 4th the maxima were as high as 60° in England East and the Midland Counties and 55° or above over a much wider area, but on the 6th, when the minima of the week occurred, slight frost was experienced in nearly all districts of Britain, the lowest reading being 27° in Scotland East. At Newton Rigg and Stonyhurst the thermometer on the grass fell to 20°, and at Rounton and Southampton to 22°. Thunder was heard at Southend-on-Sea on the 6th, thunderstorms were rather widespread over England on the 7th, and occurred in London and at Manchester on the 8th. At several places a small part of the precipitation came as hail.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Heavy	Light	Moderate	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy
	Sunshine ...	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Scanty

THE SEASON.

SPRING. 6 weeks from Feb. 28th, 1915.	Warmth ...	1, 5, 0	1, 3, 2	3, 2, 1	1, 4, 1	1, 3, 2	1, 4, 1	0, 4, 2	0, 5, 1	0, 5, 1	1, 3, 2	1, 3, 2	0, 5, 1
	Rainfall ...	2, 1, 3	3, 2, 1	1, 3, 2	2, 3, 1	0, 4, 2	1, 3, 2	2, 1, 3	3, 2, 1	1, 3, 2	1, 2, 3	1, 2, 3	1, 3, 2
	Sunshine ...	0, 5, 1	2, 4, 0	1, 4, 1	2, 2, 2	1, 4, 1	0, 4, 2	4, 1, 1	3, 2, 1	0, 6, 0	2, 3, 1	2, 3, 1	0, 3, 3

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, , 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 4	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, , 2	6, , 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, April 10th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	—	—	—	—	IRELAND, S.W. Cleggan	48	46	47·0	+0·8
Wick*	43	41	42·4	−1·0	ENGLAND, N.E. Burnmouth, Berwick	43	42	42·4	+1·3
SCOTLAND, W. Ballantrae	44	40	42·2	−2·4	ENGLAND, E. Shipwash Lightship	43	42	42·4	+0·2
ENGLAND, S.W. Scilly	—	—	—	—	ENGLAND, S.E. Eastbourne‡	45	44	44·2	0·0
Plymouth‡	48	47	47·2	−0·2	ENGLAND, N.W. Port Erin	45	44	44·8	+0·1
IRELAND, N.W. Sheephaven	48	45	46·0	−0·3					

* Five days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4627—19.) Wt. 160—610. 450. 4/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*	*48*	*10th*	*35*	*6th*	*46·3*	*38·1*	*42·0*	—	*6*	*0·56*	*14*	—	*5·1*		*38*			*39·9*				*Baltasound.*
a, Islands .. *a* Lerwick ..	54	47	4, 5	35	10th	45·9	37·4	41·5	+ 1·5	5	0·79	20	—	3·8	− 0·5	29							Deerness.
a Stornoway	51	49	10th	34	7th	47·0	37·4	42·0	+ 0·4	7	1·50	38	+ 18	5·2	+ 0·6	40							Stornoway
a Castlebay, Barra Isd. ..	*37*	*49*	*10th*	*34*	*7, 8*	*47·3*	*37·9*	*42·4*	− *0·5*	*7*	*0·79*	*20*	—	*4·4*	—	*34*							*Castlebay.*
a Wick	81	50	4th	33	*4, 7, 8*	47·0	35·6	41·0	− 0·5	5	?0·44	?11	?− 1										
b, Main- *p* Strathpeffer	200	51	4, 10	31	6th	47·6	35·3	41·2	− 0·5	7	1·84	47	+ 35	4·1	+ 0·1	31							Strathpeffer.
land. *p* Glencarron	500	48	6th	32	6, 7	44·5	34·3	39·2	− 1·3	7	3·36	85	+ 49										
p Fort Augustus..	68	52	10th	33	10th	48·1	35·7	41·6	− 0·1	7	1·63	41	+ 25	3·7	+ 0·4	28							Fort Augustus.
p Fort William ..	171	52	10th	32	10th	47·7	36·1	41·6	− 0·9	7	2·77	70	+ 41										
1. SCOTLAND, E.																							
p Gordon Castle ..	101	52	4th	34	6, 8	49·0	38·1	42·2	− 0·2	4	0·39	10	− 1	5·9	—	45	3	24	40·5	−0·5	40·1	−0·2	Crathes.
a Nairn	82	51	6, 10	31	8th	49·1	34·9	41·7	− 0·1	7	0·71	18	+ 10	*4·3*	—	*33*							*Gordon Castle.*
a Aberdeen	46	56	5th	34	6th	50·3	36·9	43·3	+ 1·2	3	0·24	6	− 6	4·8	—	37							Nairn.
a Balmoral	930	48	10th	27	6th	44·1	32·1	37·8	− 0·6	6	0·92	23	+ 9	6·6	+ 2·0	59					40·8	−0·2	Aberdeen.
p Crieff	432	52	10th	31	10th	48·7	33·9	40·9	− 1·8	6	0·81	21	+ 7	*	*	*	5	23	*	*	*	*	Balmoral.
														6·8	—	52	*	*	*	*	*	*	Balruddery.
a Leith	18	53	10th	34	10th	50·6	36·9	43·4	+ 0·1	5	0·31	8	+ 1	*	*	*	*	*	*	*	*	*	
a West Linton	769	51	10th	31	6th	46·4	33·4	39·6	+ 1·0	6	1·15	29	—	*5·8*	*	*45*	4	23	*	*	*	*	*West Linton.*
p Marchmont	498	53	10th	31	6, 10	49·0	33·7	41·0	0·0	2	0·15	4	− 8	7·9	+ 3·7	61	3	26	*	*	*	*	Marchmont.
a Edinburgh	*441*	*51*	*8, 10*	*33*	*7th*	*48·6*	*36·3*	*42·9*	—	*3*	*0·38*	*10*	—	7·1	—	55	1	28	*	*	*	*	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132													*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	180	51	10th	34	7th	48·1	37·6	42·6	+ 0·2	6	0·87	22	+ 9	4·5	+ 0·9	35	1	29	*	*	*	*	Glasgow.
p Rothesay‡	170	50	4, 10	32	7th	47·4	36·4	41·6	− 1·8	7	1·72	44	+ 26	*4·4*	—	*34*	3	28	42·0	*	43·1	+0·4	*Rothesay.*
a Kilmarnock	90	50	4, 10	32	10th	48·3	36·0	41·9	− 0·8	6	1·26	32	—	*5·7*	—	*44*	*	*	*	*	*	*	*Kilmarnock.*
a Colmonell	170	51	4th	34	6th	47·9	37·9	42·7	− 0·8	7	1·38	35	+ 19	*	*	*	1	28	*	*	*	*	
a Dumfries	160	53	10th	31	6th	48·9	36·3	42·3	− 0·7	6	0·87	22	+ 8	*6·9*	—	*53*	3	26	41·6	*	42·1	*	*Dumfries.*
Eskdalemuir	*799*	*55*	*10th*	*31*	*10th*	*47·0*	*34·0*	*40·2*	—	*6*	*1·26*	*32*	—	*5·3*	—	*41*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse	120	54	10th	34	6th	49·7	36·4	42·7	− 0·1	6	1·16	29	+ 10	*	*	*	*	*	*	*	*	*	
b, I. OF MAN. *p* Douglas	277	52	4th	37	7, 9	48·3	38·9	43·4	0·0	6	0·91	24	+ 9	7·0	+ 1·7	54	1	30	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	53	8th	34	6th	50·9	36·7	43·5	+ 1·6	3	0·09	2	− 10	8·3	—	64	6	24	40·2	−0·8	41·7	+0·5	Cockle Park.
a Tynemouth	71	54	4th	35	6th	50·7	40·0	45·1	+ 2·5	0	0·00	0	− 8	*	*	*	*	*	*	*	*	*	*Tynemouth.*
a, North .. *p* Durham ..	336	54	4th	30	6th	50·9	35·4	42·8	+ 0·9	4	0·09	2	− 7	8·0	+ 3·9	62	3	25	*	*	*	*	Durham.
p Rounton ..	249	54	4th	30	10th	50·9	35·6	42·9	+ 1·1	2	0·09	2	− 9	*	*	*	3	22	41·6	*	*	*	Rounton.
a West Witton	*605*	*55*	*10th*	*34*	*9, 10*	*48·6*	*36·9*	*42·5*	—	*5*	*0·49*	*12*	—	*	*	*	2	30	41·1	*	39·8	*	*West Witton.*
p Scarborough	100	56	4, 5	35	6, 9	52·4	38·1	44·9	+ 1·9	1	0·02	1	− 9	7·4	—	57	*	*	*	*	43·5†	*	Scarborough.
p York	56	56	10th	32	6th	52·1	38·7	44·0	+ 0·3	3	0·23	7	− 3	6·5	+ 2·5	50	*	*	42·7	0·0	42·9	+0·7	York.
a Spurn Head	26	53	4th	35	6, 9, 10	49·9	36·9	43·1	− 0·1	1	0·08	2	− 5	*?5·6*	—	*?43*	*	*	*	*	*	*	*Spurn Head*
b, South .. *a* Lincoln	58	58	4th	34	10th	52·6	37·7	44·8	+ 0·9	1	0·03	1	− 7	*	*	*	*	*	42·5	−0·2	42·7	+0·4	Lincoln.
a Fulbeck	180	57	4th	30	10th	51·9	36·4	43·8	+ 0·1	3	0·09	2	− 7	7·4	—	57	?3	24	44·2	+0·4	43·8	+0·5	Rauceby.
														6·1	—	47	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
p Cromer	196	59	4th	37	6, 8, 9	52·7	39·7	45·9	+ 3·5	3	0·17	4	—	6·3	—	49	*	*	*	*	*	*	Cromer.
p Little Massingham	280	57	4th	34	6, 9, 10	51·9	36·6	43·9	+ 0·2	3	0·22	6	− 4	5·6	+ 1·1	43	3	28	*	*	*	*	Lit. Massingham
a, North .. *a* Yarmouth	17	58	4th	36	6, 7, 9	52·0	37·7	44·5	+ 1·9	3	0·35	9	0	5·5	—	42	*	*	44·7	+0·5	45·4	+0·7	Yarmouth.
a Norwich	93	59	4th	34	6th	53·3	39·0	45·8	+ 2·7	3	0·26	7	—	*5·8*	—	*45*	1	26	43·7	*	*	*	*Norwich.*
a Geldeston	37	60	4th	34	6th	54·4	38·6	46·1	+ 2·7	4	0·37	9	0	5·6	+ 0·7	43	*	*	*	*	*	*	Geldeston.
p Cambridge	41	59	4th	32	6th	53·9	38·6	45·9	+ 1·7	1	0·15	4	− 4	6·5	+ 1·7	50	2	23	45·3	+0·7	44·6	+0·2	Cambridge.
b, South .. *a* Clacton-on-Sea	54	59	4th	36	6, 10	52·9	39·1	46·7	+ 2·4	3	0·24	6	—	7·0	—	54	1	29	45·4	+1·1	45·4	+1·0	Clacton.
a Rothamsted	424	57	4th	30	6th	51·4	37·1	43·9	+ 0·5	4	0·44	11	+ 1	5·5	+ 1·0	43	4	23	42·5	*	*	*	Rothamsted
p Tottenham	51	56	4th	37	6th	53·0	41·7	47·1	+ 2·6	3	0·28	7	—	6·3	—	49	0	34	*	*	44·6	+0·5	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	54	10th	33	10th	49·3	35·6	42·1	− 0·1	4	0·51	13	+ 1	7·0	—	54	2	25	41·6	+0·2	42·1	+0·6	Harrogate.
p Buxton	*987*	*57*	*4th*	*32*	*9th*	*47·6*	*35·1*	*41·1*	+ *0·7*	*5*	*0·61*	*15*	− *4*	*5·3*	—	*41*	4	28	39·9	−1·1	40·1	−1·0	*Buxton.*
a Bawtry	65	55	4th	32	6th	51·0	36·7	43·5	− 0·2	3	0·07	2	− 6	6·4	—	49	1	29	41·8	+0·2	41·7	+0·4	Sheffield.
a Nottingham	82	57	4th	31	6th	52·1	36·3	43·8	+ 0·2	2	0·08	2	− 7	6·1	—	47	5	25	42·9	*	42·9	*	Worksop.
b, East .. *p* Birmingham, Edgbsn.	535	55	4th	34	6th	50·4	37·7	43·8	+ 0·4	5	0·55	14	+ 3	6·3	+ 2·1	49	3	26	42·7	+0·4	40·8	−0·6	Nottingham.
a Raunds	203	60	4th	30	6th	54·1	35·9	44·6	+ 1·2	2	0·14	4	—	5·8	—	45	1	30	42·3	+0·3	43·4	+0·1	Birmingham.
p Oxford	208	57	4th	35	6th	52·6	34·7	45·8	+ 1·3	5	0·25	6	− 2	*5·7*	—	*44*	4	28	43·6	*	44·5	*	*Raunds.*
														5·7	+ 1·2	44	1	28	*	*	*	*	Oxford.
a Cheadle	646	55	5th	34	5th	49·9	33·3	43·8	+ 1·4	4	0·28	7	− 5	*	*	*	3	29	*	*	*	*	Cheadle.
p Shrewsbury	191	57	4th	35	6th	52·6	35·4	45·2	+ 0·5	4	0·37	9	—	*	*	*	1	28	*	*	*	*	Shrewsbury.
c, West .. *a* Hereford§	291	59	4th	34	6th	54·4	35·3	46·0	+ 1·9	5	0·29	7	− 3	*6·5*	—	50	1	26	43·4	*	43·4	*	*Malvern.*§
a Cirencester	446	55	4, 9	31	6th	51·7	36·8	43·9	+ 0·8	5	0·46	12	+ 2	5·6	+ 1·0	43	0	31	43·0	*	43·2	*	Cirencester.
a Bath	66	56	4th	34	6th	53·1	40·0	46·2	+ 1·5	5	0·55	14	+ 2	4·8	—	37	*	*	45·6	+0·3	44·7	−0·6	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	55	4th	32	6th	51·9	38·6	44·9	+ 2·0	6	0·53	13	+ 1	5·7	—	44	1	27	45·4	+0·9	45·1	+0·4	Worthing.
a Margate	53	58	4th	37	6th	51·9	41·1	46·2	+ 1·9	2	0·25	6	− 2	5·0	+ 0·8	39	0	31	45·3	*	46·3	*	Marlborough.
a Wisley, Surrey	150	53	4th	35	6th	52·7	39·7	45·9	+ 0·7	3	0·56	14	—	6·0	+ 1·3	47	0	34	45·4	+2·0	44·7	+1·3	Margate.
v Salisbury (Wilton)	180	58	4th	30	6th	52·4	39·1	45·4	+ 0·5	6	0·69	18	+ 6	6·3	—	49	1	27	43·8	+0·3	43·1	−0·9	Wisley.
a Tunbridge Wells	354	58	4th	33	6th	52·4	38·9	45·3	+ 1·2	4	0·68	17	+ 6	*	*	*	1	26	45·3	*	*	*	Salisbury.
														5·6	+ 0·8	43	1	23	43·9	+0·7	43·6	*	Tunbridge Wells.
a Dungeness	21	53	8, 10	36	6th	50·3	40·0	41·9	+ 0·8	3	0·87	22	+ 13	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings..	178	53	8, 10	36	6th	50·0	40·0	44·8	− 0·2	5	0·68	17	+ 6	5·5	+ 0·3	43	2	29	45·2	*	44·3	*	Hastings.
p Southampton	64	58	4th	35	6th	53·6	41·4	47·2	− 0·3	4	0·67	17	+ 6	5·1	+ 0·1	40	1	22	*	*	*	*	Southampton.
a Ventnor	59	57	10th	40	6th	52·3	42·7	47·3	+ 1·2	5	0·87	22	+ 12	5·4	− 0·1	42	*	*	*	*	*	*	Ventnor.
LONDON, *p* Kew	18	58	4th	35	6th	53·1	40·8	46·7	+ 1·8	4	0·47	12	+ 3	6·6	+ 2·3	51	2	25	44·2	+0·8	43·9	−0·3	Kew.
a Westminster	*27*	*59*	*4th*	*35*	*6th*	*54·3*	*40·7*	*47·2*	+ *2·3*	*3*	*0·35*	*9*	*0*	*6·1*	+ *3·0*	*47*	1	29	*	*	*	*	*Westminster.*
a Greenwich	*155*	*59*	*4th*	*35*	*6th*	*53·9*	*40·4*	*47·0*	+ *1·8*	*3*	*0·35*	*9*	*0*	*6·2*	+ *2·0*	*48*	1	27	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*58*	*4th*	*33*	*6th*	*52·3*	*37·6*	*44·6*	—	*3*	*0·39*	*10*	—	6·2	—	*48*	4	29	*	*	*	*	*Hampstead.*
a Camden Square	*119*	*61*	*4th*	*35*	*6th*	*55·3*	*39·5*	*47·2*	—	*3*	*0·39*	*10*	—	*5·5*	—	*43*	1	30	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	52	4th	34	10th	48·9	36·6	42·5	+ 0·2	4	0·15	11	− 3	6·4	—	49	*	*	*	*	*	*	Hoylake.
p Newton Rigg	559	53	10th	31	10th	47·7	35·1	41·1	− 0·6	5	0·58	15	+ 2	6·0	—	46	1	27	43·4	*	43·5	*	Aspatria
p Stonyhurst	375	50	4, 10	34	6, 9	48·1	36·6	42·1	− 0·4	6	1·13	29	+ 12	6·7	+ 2·3	52	5	29	42·1	0·0	41·7	+0·4	Newton Rigg
p Blackpool	66	51	4th	35	6th	48·7	40·3	44·3	+ 1·0	6	0·51	13	+ 1	5·4	+ 1·1	42	6	29	*	*	*	*	Stonyhurst
a Southport	*37*	*54*	*4th*	*36*	*6th*	*50·0*	*40·0*	*44·8*	+ *1·4*	*5*	*0·69*	*18*	+ *6*	6·9	+ 2·6	53	1	30	44·3	*	44·0	*	Blackpool.
a Liverpool (Bidston)	188	53	4th	37	6th	49·6	39·4	44·3	− 0·2	5	0·43	11	+ 1	6·5	+ *1·9*	*50*	0	31	44·5	+1·2	43·9	+0·6	*Southport.*
a Hawarden Bridge	*22*	*56*	*4th*	*36*	*6th*	*51·7*	*40·1*	*45·6*	+ *0·3*	*3*	*0·72*	*18*	+ *10*	6·4	—	*49*	*	*	*	*	*	*	*Liverpool.*
p Manchester (Whit. Pk.)	125	54	4th	36	6, 8	50·3	38·6	44·2	− 0·2	6	0·55	14	+ 2	*5·8*	—	*45*	0	32	41·9	0·0	43·4	+0·5	*Manchester (City)*
														4·8	+ *1·7*	*37*	*	*	*	*	*	*	" (Whit. Park)
b NORTH WALES.																							
p Llandudno	71	56	10th	—	—	52·4	—	—	—	5	1·08	27	+ 16	5·2	+ 0·7	40	*	*	*	*	*	*	Llandudno
a Holyhead	15	53	4th	39	9th	50·0	41·1	45·3	+ 0·7	5	0·63	16	+ 3	*5·8*	—	*45*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*56*	*4th*	*37*	*6, 8*	*51·1*	*39·4*	*45·0*	+ *0·3*	*6*	*0·93*	*24*	—	*4·8*	—	*37*	*	*	43·4	+1·3	43·7	+0·3	*Bettws-y-Coed.*
														5·4	—	42	*	*	*	*	*	*	Aberdovey.

† At 3 ft § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft.	°		°		°	°	°	°	•	in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														4·6	—								Aberystwyth.
a Llangammarch Wells	550	55	4th	35	5th	50·6	38·4	44·2	+ 1·6	6	0·80	20	—	4·8	—	37	1	28	42·7	0·0	44·1	+0·5	Llangammarch.
a Pembroke	149	52	10th	42	8-9	48·6	42·9	45·6	+ 1·0	5	0·47	12	0	5·0	- 0·2	39	•	•	•	•	•	•	Pembroke.
p Cardiff	202	54	10th	38	8, 9	51·4	40·3	45·6	- 0·1	6	0·54	14	- 2	5·7	—	*44*	1	28	44·6	+1·3	43·8	+0·2	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	55	4th	38	6, 8	51·6	41·0	46·1	+ 0·9	5	0·26	7	- 6	*5·3*	—	*41*	0	34	•	•	•	•	*Clifton.*
a Shaftesbury	722	55	4th	33	6th	50·3	36·7	43·2	- 0·2	6	0·78	20	+ 7	•	•	•	•	•	44·4	•	44·3	•	Shaftesbury.
a Arlington	613	52	4th	36	6th	49·6	39·1	44·1	+ 0·4	6	1·16	29	+ 10	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*52*	*4, 6*	*39*	*6th*	*49·7*	*42·9*	*46·1*	+ *0·1*	*6*	*1·11*	*28*	+ *16*	3·8	- 1·3	29	0	35	46·8	•	45·8	•	Newquay.
a Cullompton	202	58	4th	35	6th	53·7	41·1	47·1	+ 2·2	6	0·70	18	+ 5	3·8	- 0·9	29	1	29	46·4	•	•	•	Cullompton.
a Portland Bill	19	50	9, 10	42	9th	48·6	43·3	45·8	+ 0·3	7	0·71	18	—	*4·2*	—	*33*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	55†	4th	41	7, 8	53·1	43·3	48·0	+ 2·0	5	0·88	22	+ 8	5·1	0·0	40	0	37	46·6	+0·6	•	•	Plymouth.
a Falmouth	167	55	4th	40	6th	52·0	43·4	47·5	+ 1·6	5	1·30	33	+ 17	4·0	- 1·3	31	0	37	48·4	•	47·5	•	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	49	5th	35	7th	46·7	37·9	42·1	- 1·5	7	0·98	25	+ 14	*5·0*	—	*39*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	51	10th	35	7, 8	49·3	37·7	43·2	- 1·8	7	1·50	38	+ 19	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	54	4th	35	5th	50·4	37·4	43·6	- 0·1	7	1·79	45	+ 29	4·8	+ 0·6	37	2	26	45·2	•	44·4	•	Markree Castle.
a Birr Castle	175	52	4, 6, 10	35	7, 8	50·4	37·7	43·8	+ 0·1	7	0·79	20	+ 7	*5·5*	+ *1·0*	*42*	•	•	•	•	•	•	*Birr Castle.*
b, East .. { *p* Armagh	196	54	4th	34	7th	50·6	37·4	43·7	+ 0·1	7	0·99	25	+ 12	5·0	+ 0·8	39	0	31	43·7	−0·3	43·9	−0·3	Armagh.
a Donaghadee	101	52	4th	34	7th	49·4	36·6	42·7	- 1·2	5	0·39	10	- 2	•	•	•	•	•	•	•	•	•	•
10. IRELAND, S.																	1	29	45·6	+1·1	45·1	- 0·1	Trinity Coll.
a, East .. { *p* Dublin, City	47	55	4th	38	7th	51·4	40·5	45·6	- 0·2	6	0·51	13	+ 2	6·9	+ 2·1	53	2	26	•	•	•	•	Phœnix Park.
a Kilkenny	212	55	4, 10	35	5th	52·3	38·7	45·2	+ 0·5	6	0·78	20	+ 7	•	•	•	0	35	•	•	•	•	Dublin City.
a Waterford	30	55	4th	37	5th	52·7	40·1	46·1	+ 1·3	6	1·08	27	+ 11	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*54*	*6th*	*36*	*7, 9*	*50·3*	*38·1*	*43·9*	—	*6*	*1·07*	*27*	—	*5·3*	—	*41*	1	30	•	•	•	•	*Seskin.*
b, West .. { *a* Birr Castle	175	52	4, 6, 10	35	7, 8	50·4	37·7	43·8	+ 0·1	7	0·79	20	+ 7	5·5	+ 1·0	42	•	•	•	•	•	•	Birr Castle.
a Foynes	50	52	4, 6	38	7th	50·3	40·6	45·2	- 0·5	7	?1·51	38	+ 23	•	•	•	•	•	•	•	•	•	•
a Cahir	199	55	6th	33	5th	51·6	37·1	44·0	- 0·4	6	1·34	34	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	55	5th	38	7th	52·8	40·5	46·4	+ 0·8	7	2·08	53	+ 30	•	•	•	•	•	•	•	•	•	•
a Valencia	30	52	6th	39	7, 8	50·0	41·7	45·7	- 0·7	7	1·30	33	+ 9	4·4	- 0·4	34	•	•	•	•	•	•	Valencia.
a Roche's Point ..	32	53	4, 10	36	5th	50·3	40·7	45·3	- 0·7	7	0·79	20	+ 3	5·6	—	43	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	53	4, 5	43	8, 9	51·1	44·6	47·7	+ 0·5	6	0·79	20	+ 8	4·1	- 1·2	32	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	52	4, 8-10	41	6th	50·3	43·1	46·5	- 0·3	7	1·42	36	+ 23	3·7	- 2·0	29	•	•	•	•	•	•	St. Heliers
a Guernsey (Villa Carey)	180	53	4, 10	40	6th	50·9	43·0	46·8	- 0·2	6	1·54	39	+ 25	3·5	- 2·2	27	0	34	47·1	−0·1	46·8	−0·1	Guernsey †

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, April 10th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind: Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Total Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Total Duration	Fresh or Moderate Winds forces 4 and 5. Total Duration.	Calms and Light Airs. Total Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.		Date and Hour.		Highest Gust with Date and Time.		
	ft.	ft.		hr.		hr.	hr.	hr.		m/s.			m/s.	d.	h. m.
1. SCOTLAND, E.															
Dyce	75	15**	—	—	—	—	55§	105§	—	10	8th	15h.	23	8th	15 . 47
Aberdeen*	105	37	8, 9	3	4, 8 to 10	32	65	68	WNW.	19	9th	11h.	29	9th	11 . 20
Edinburgh	39	31	—	—	4, 6, 8, 9	28	106	34	W. by N.	15	8th	13h.	25	8th	13 . 25
6. SCOTLAND, W.															
Eskdalemuir	50	22	9th	1	4, 6 to 9	47	72	48	WNW.	17	9th	1h.	31	8th	12 . 45
Paisley (Coats Obs.)	81	52	—	—	6, 8	11	77	80	NW.	14	8th	16h.	30	8th	16 . 20
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	8th	3	72	93	W. by N.	12	8th	15h.	23	8th	12 . 10
South Shields ..	61	12	8th	1	4, 8, 9	35	56	76	W.	17	8th	11h.	37	8th	11 . 22
Spurn Head	40	‡	—	—	6, 8, 9	32	73	63	WNW.	16	9th	9h.	27	8th	24 . 25
3. ENGLAND, E.															
Gorleston	42	‡	—	—	6, 9	10	70	88	—	16	6th	18h.	21	6th	18 . 8
Shoeburyness ..	90	‡	—	—	6, 8, 9	20	61	87	—	15	6th	17h.	22	9th	10 . 42
4. MIDLAND COUNTIES.															
Benson	84	‡	—	—	6, 9	8§	79§	74§	S. by W.	14	6th	12h.	20	6th	13 . 45
5. ENGLAND, S.E.															
Dover	40	‡	—	—	6, 7, 9	20	105	43	—	17	6th	19h.	25	9th	10 . 35
Warlingham	33	‡	—	—	6th	5	64	99	—	13	6th	15h.	23	6th	15 . 3
Brighton	53	6	—	—	—	—	57	111	—	11	9th	13h.	17	9th	10 . 58
Kew†	65	7	—	—	—	—	68	100	SSW.	10	6th	13h.	19	6th	13 . 25
South Kensington ..	92	22	—	—	—	—	19§	131§	SSW.	7	6th	13h.	15	6th	13 . 20
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	8, 9	9§	68§	89§	W. by N.	15	8th	14h.	22	8th	21 . 37
Southport	62	48	8, 9	18	4, 6 to 9	43	88	19	W.	22	9th	3h.	29	9th	4 . 35
Holyhead*	40	‡	8, 9	4	6 to 9	51	80	28	WNW.	19	9th	1h.	27	9th	0 . 39
8. ENGLAND, S.W.															
Pendennis Castle* ..	65	24	6th	2	6 to 9	43	66	57	SSW.	20	6th	9h.	28	6th	8 . 35
Plymouth††	88	21	—	—	6, 9	15	86	67	—	15	6th	11h.	21	6th	11 . 30
10. IRELAND, S.															
Quilty	40	‡‡	—	—	4 to 8	43§	100§	1§	—	16	7th	11h.	25	7th	9 . 20
Weaver Pt.	30	‡‡	—	—	6 to 10	16§	86§	58§	—	16	6th	6h.	24	6th	2 . 30
11. ENGLISH CHANNEL.															
Scilly*	19	‡	—	—	6 to 10	86	53	29	WNW.	17	8th	4h.	29	8th	1 . 30

* Wind Direction at these stations is taken from the Robinson Instrument.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

§ The total duration in the different columns makes up 168 hours if the record is complete. The difference between the total and 168 hours is the number of hours of missing or defective record.

** Above tops of trees.

†† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FOURTEENTH WEEK—April 4th to April 10th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.	6		inches.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	52	31	46·8	36·0	41·2	+ 0·2	13	− 7	23	− 2	6	+ 2	1·76	45	4·2	−0·1	32	992
Eastern.																		
1. SCOTLAND, EAST ...	56	27	48·4	34·7	41·2	− 0·2	18	− 8	28	+ 2	5	+ 1	0·59	15	+ 4	6·5	+1·9	50	995
2. ENGLAND, N.E.	58	30	51·4	37·1	43·9	+ 1·4	34	+ 9	14	− 5	2	− 2	0·09	2	− 8	7·3	+2·2	56	1001
3. ENGLAND, EAST ...	60	30	52·8	38·7	45·4	+ 1·6	38	+ 4	9	− 11	3	0	0·28	7	− 2	6·0	+0·9	46	1005
4. MIDLAND COUNTIES ...	60	30	51·9	37·6	44·4	+ 0·6	35	− 1	12	− 9	4	+ 1	0·32	8	− 2	6·0	+1·3	46	1006
5. ENGLAND, S.E.	58	30	52·1	40·2	45·9	+ 0·7	35	− 2	5	− 7	4	+ 1	0·63	16	+ 8	5·7	+0·7	44	1007
Western.																		
6. SCOTLAND, WEST ...	54	31	48·4	37·1	42·5	− 0·3	24	− 2	14	− 5	6	+ 3	1·17	30	+ 13	5·8	+0·8	44	999
7. ENGLAND, N.W.	56	31	49·2	38·5	43·6	− 0·1	26	− 2	10	− 6	5	+ 1	0·69	18	+ 5	6·0	+1·9	46	1004
8. ENGLAND, S.W.	58	33	51·0	41·0	45·7	+ 0·4	30	− 5	3	− 7	6	+ 3	0·76	19	+ 5	4·4	−0·7	34	1008
9. IRELAND, NORTH ...	54	34	49·5	37·4	43·2	− 0·8	28	− 2	13	− 2	7	+ 3	1·07	27	+ 12	4·9	+0·4	38	1000
10. IRELAND, SOUTH ...	55	33	51·3	39·7	45·3	− 0·3	33	− 5	6	− 4	7	+ 4	1·13	29	+ 13	5·6	+0·5	43	1008
11. ENGLISH CHANNEL ...	53	40	50·8	43·6	47·0	− 0·6	35	− 7	0	− 2	7	+ 4	1·25	32	+ 21	3·8	−2·2	29	1011

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 6 Weeks, February 28th to April 10th, 1915.

0. SCOTLAND, NORTH ...	56	23	45·4	34·5	39·8	*	65	− 8	158	− 24	31	+ 2	6·60	167	+ 22	2·9	−0·3	25	1009
Eastern.																			
1. SCOTLAND, EAST ...	61	11	46·6	33·2	39·7	*	77	− 23	195	− 4	25	+ 1	3·05	78	+ 2	4·0	+0·3	34	1010
2. ENGLAND, N.E.	64	20	48·6	35·3	41·7	*	130	+ 17	140	− 18	21	− 1	1·90	48	− 12	4·4	+0·3	37	1012
3. ENGLAND, EAST ...	63	22	48·6	35·8	42·0	*	135	− 11	127	− 43	21	0	2·04	52	− 1	3·9	−0·2	33	1014
4. MIDLAND COUNTIES ...	63	19	49·0	34·7	41·6	*	132	− 20	158	− 13	18	− 2	1·72	44	− 16	3·7	0·0	32	1015
5. ENGLAND, S.E.	60	22	48·7	36·8	42·5	*	133	− 22	109	− 16	17	− 2	1·74	45	− 15	3·6	−0·5	31	1014
Western.																			
6. SCOTLAND, WEST ...	60	18	47·3	35·2	41·1	*	95	− 9	151	+ 5	24	0	4·21	106	− 12	4·4	+0·7	37	1013
7. ENGLAND, N.W.	60	22	47·5	36·5	41·8	*	102	− 13	120	− 12	22	0	3·04	77	− 4	4·0	+0·5	34	1015
8. ENGLAND, S.W.	59	18	48·4	36·7	42·4	*	126	− 29	112	+ 8	19	− 2	2·41	61	− 32	3·9	−0·2	33	1016
9. IRELAND, NORTH ...	59	20	48·5	36·2	42·2	*	122	− 10	115	− 7	27	0	2·85	72	− 22	3·6	+0·1	31	1014
10. IRELAND, SOUTH ...	59	21	49·7	37·3	43·3	*	156	− 16	96	+ 3	23	0	2·56	66	− 37	4·3	+0·2	36	1017
11. ENGLISH CHANNEL ...	60	28	49·4	40·7	44·9	*	167	− 21	30	− 7	20	− 3	2·21	56	− 21	3·7	−1·2	32	1016

THE YEAR.—Aggregates, &c., for the Period of 14 Weeks, January 3rd to April 10th, 1915.

0. SCOTLAND, NORTH ...	56	12	43·7	34·0	38·8	*	98	− 29	418	− 58	74	+ 4	17·00	432	+ 32	1·9	−0·2	20	1003
Eastern.																			
1. SCOTLAND, EAST ...	61	11	43·8	32·4	38·0	*	98	− 63	524	− 11	61	+ 6	8·71	222	+ 33	2·6	0·0	27	1004
2. ENGLAND, N.E.	64	20	45·5	34·8	40·1	*	172	− 11	362	− 64	60	+ 9	6·96	176	+ 38	2·8	0·0	28	1006
3. ENGLAND, EAST ...	63	18	45·9	35·3	40·6	*	195	− 28	344	−128	64	+14	7·65	194	+ 65	2·6	−0·4	26	1008
4. MIDLAND COUNTIES ...	63	19	46·2	34·1	40·2	*	204	− 38	404	− 67	53	+ 4	7·83	199	+ 43	2·6	0·0	26	1008
5. ENGLAND, S.E.	60	15	46·7	36·2	41·4	*	234	− 24	296	− 59	53	+ 6	9·45	241	+ 80	2·6	−0·3	26	1009
Western.																			
6. SCOTLAND, WEST ...	60	18	45·0	34·5	39·7	*	136	− 48	390	+ 12	64	+ 4	13·74	349	+ 27	3·0	+0·5	30	1006
7. ENGLAND, N.W.	60	21	45·4	35·9	40·7	*	165	− 33	314	− 40	56	+ 1	10·73	272	+ 61	2·9	+0·4	29	1007
8. ENGLAND, S.W.	59	17	46·6	37·2	41·5	*	222	− 67	285	+ 6	61	+ 7	12·47	317	+ 64	2·9	0·0	29	1009
9. IRELAND, NORTH ...	59	20	46·0	35·1	40·5	*	191	− 51	340	+ 26	68	+ 4	10·38	264	+ 19	2·6	+0·1	27	1005
10. IRELAND, SOUTH ...	59	21	47·4	36·3	41·8	*	254	− 83	283	+ 44	68	+11	12·05	309	+ 33	3·2	+0·3	32	1009
11. ENGLISH CHANNEL ...	60	27	48·4	40·0	44·2	*	330	− 54	120	+ 13	65	+ 5	10·94	278	+ 66	3·1	−0·5	30	1010

W. N. SHAW, Director.
Meteorological Office, South Kensington, April 14th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. *Vol. XXXII. (New Series.)* } No. 15. FIFTEENTH WEEK, SUNDAY, APRIL 11TH, TO SATURDAY, APRIL 17TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks.

Rain fell frequently in the extreme north and north-west of Scotland and over a considerable portion of northern Ireland, but over the Kingdom generally the greater part of the week was dry. At Leith and Roche's Point there was no rain, and at Valencia, Llangammarch Wells, and Dumfries there was only one millimetre. There were, however, few bright days and the duration of bright sunshine was below the normal except in the English Channel district; in Ireland the deficit amounted to more than 2 hours per day. The mean daily duration ranged from 6·5 hours in the English Channel to a trifle below 3 hours in Ireland North and Scotland North. Temperature was a little above the average except in eastern and south-eastern England, and in the English Channel. The highest of the maxima occurred in most localities on the 11th or 16th, when the thermometer touched 62° in England East, the Midland Counties and England South-East. The lowest of the minima were recorded on more irregular dates; in Scotland East and the Midland Counties there was a reading of 26°. A faint aurora was observed at Aberdeen on the 16th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Light	Moderate	Moderate	Moderate	Moderate	Light	Light	Light	Moderate	Light	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate	Scanty	Moderate	Scanty	Scanty	Very scanty	Moderate

THE SEASON.

SPRING, 7 weeks from Feb. 28th, 1915.	Warmth ...	1, 6, 0	2, 3, 2	4, 2, 1	1, 5, 1	1, 4, 2	1, 5, 1	0, 5, 2	0, 6, 1	0, 6, 1	1, 4, 2	1, 4, 2	0, 6, 1
	Rainfall ...	2, 2, 3	3, 2, 2	1, 4, 2	2, 4, 1	0, 5, 2	1, 4, 2	2, 1, 4	3, 2, 2	1, 3, 3	1, 3, 3	1, 2, 4	1, 4, 2
	Sunshine ...	0, 5, 2	2, 5, 0	1, 5, 1	2, 3, 2	1, 4, 2	0, 5, 2	4, 1, 2	3, 3, 1	0, 6, 1	2, 3, 2	2, 3, 2	0, 4, 3

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, [illegible], 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, [illegible], 2	6, [illegible], 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, April 17th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	50	47	48·4	+1·5
Wick	43	42	42·5	−1·2	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	43	41	42·0	+0·3
Ballantrae	46	42	44·0	−0·6	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	45	43	43·4	+0·2
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	48	47	47·8	−0·1	Eastbourne‡	46	45	45·3	0·0
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	48	46	46·9	0·0	Port Erin	47	45	45·5	+0·4

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4706—19.) Wt. 160—610. 450. 4/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the Week. in.	mm.	Difference from Average. mm.	Bright Sunshine. Hours per Day. Daily Mean. hr.	Difference from Average hr.	Percentage of possible duration	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean	Difference from Average.	Earth 4 ft. Mean.	Difference from Average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°		°		°	
p Baltasound	*31*	*49*	*11th*	*30*	*17th*	*46·3*	*36·5*	*41·2*	—	7	*1·12*	*28*	—	*2·5*	—	*18*	•	•	41·6	•	•	•	*Baltasound.*
a Lerwick	54	48	11, 15	30	17th	46·1	37·7	41·7	+ 0·9	7	1·10	28	—	2·7	- 2·0	19	•	•	•	•	•	•	Deerness.
a Stornoway	51	53	11th	35	17th	48·7	38·7	43·5	+ 1·0	7	0·67	17	- 1	3·3	- 1·7	24	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*49*	*11, 15*	*38*	*13, 17*	*47·7*	*41·1*	*44·2*	+ *0·4*	7	*0·51*	*13*	—	*3·5*	—	*26*							*Castlebay.*
a Wick	81	53	11th	32	17th	48·3	37·4	42·6	+ 0·3	7	0·47	12	+ 1	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	56	11th	34	13, 17	51·6	38·0	44·5	+ 1·9	5	0·40	10	- 1	2·8	- 1·7	20	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500	48	11, 15	34	13, 16	46·3	36·9	41·4	- 0·1	7	1·34	34	+ 1	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	54	11th	33	13th	49·9	38·3	44·8	+ 1·1	5	0·43	11	- 3	2·3	- 1·3	17	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	52	11, 15	35	13, 17	49·4	38·7	43·8	- 0·1	7	0·96	24	- 2	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.														3·8	—	28	4	23	42·8	+0·7	41·2	0·0	Crathes.
p Gordon Castle	101	58	11th	32	13th	51·9	34·7	43·9	+ 0·7	6	0·35	9	- 1	*4·0*	—	*29*	•	•	•	•	•	•	*Gordon Castle.*
a Nairn	82	57	11th	33	17th	51·4	38·6	44·7	+ 2·0	6	0·31	8	0	2·6	—	19	•	•	•	•	•	•	Nairn.
a Aberdeen	46	56	12, 14	33	13th	53·3	38·6	45·6	+ 2·6	1	0·08	2	- 10	4·6	- 0·3	34	•	•	•	•	41·6	- 0·1	Aberdeen.
a Balmoral	930	57	16th	26	14th	52·4	33·1	42·3	+ 2·9	5	0·22	6	- 8	•	•	•	3	23	•	•	•	•	Balmoral.
p Crieff	432	61	11th	30	13th	52·4	35·1	43·3	- 0·5	3	0·08	2	- 12	4·6	•	34	•	•	•	•	•	•	Balruddery.
a Leith	18	60	11th	35	13th	53·6	39·6	46·3	+ 2·0	0	0·00	0	- 7	•	•	•	•	•	•	•	•	•	
a West Linton	769	55	11th	28	13th	48·9	36·9	43·1	+ 3·4	4	0·12	3	—	*3·4*	•	*25*	3	22	•	•	•	•	*West Linton.*
p Marchmont	498	54	11, 12, 14	31	17th	52·4	35·6	43·6	+ 1·6	3	0·05	1	- 11	4·2	- 0·3	31	3	28	•	•	•	•	Marchmont.
a Edinburgh	*441*	*58*	*11th*	*34*	*13th*	*51·6*	*38·1*	*44·5*	—	*3*	*0·02*	*1*	—	4·6	—	34	1	30	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	54	11th	35	13th	50·4	40·0	45·0	+ 1·3	5	0·25	6	- 6	4·1	+ 0·1	30	1	28	•	•	•	•	Glasgow.
p Rothesay‡	170	53	14, 15	35	13, 17	50·9	38·1	44·2	- 0·2	7	0·43	11	- 6	*4·0*	—	*29*	1	28	44·1	•	43·9	+0·6	*Rothesay.*
a Kilmarnock	90	54	15th	28	13th	51·3	36·1	44·9	+ 1·0	6	0·27	7	—	*4·1*	—	*30*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	52	15, 17	34	13th	50·3	41·9	45·9	+ 1·6	6	0·19	5	- 10	•	•	•	1	30	•	•	•	•	
a Dumfries	160	54	15th	34	17th	51·9	38·9	45·1	+ 0·7	2	0·03	1	- 12	*4·0*	—	*29*	2	27	43·7	•	43·0	•	*Dumfries.*
Eskdalemuir	*799*	*55*	*11th*	*25*	*14th*	*50·9*	*33·4*	*41·7*	—	*5*	*0·20*	*5*	—	*4·7*	—	*35*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	58	15th	30	17th	53·9	36·3	44·7	+ 0·9	4	0·20	5	- 14	•	•	•	•	•	•	•	•	•	
b. I. OF MAN. *p* Douglas	277	54	15th	38	13, 17	51·6	40·9	46·0	+ 1·6	3	0·12	3	- 12	4·1	- 1·6	30	0	31	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	58	12th	33	14th	54·0	39·7	46·5	+ 3·8	2	0·17	4	- 7	4·4	—	32	3	27	44·4	+1·8	42·9	+0·8	Cockle Park.
a Tynemouth	71	56	16th	?	?	50·7	*38·6*	*?44·9*	*?+ 1·7*	4	0·20	5	- 8	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	60	12th	32	13, 14	53·6	37·0	44·9	+ 2·0	2	0·01	2	- 7	3·9	- 0·4	29	2	29	•	•	•	•	Durham.
a. North ..{ *p* Rounton	249	60	12th	30	14th	54·4	36·3	44·9	+ 2·2	1	0·26	7	- 3	•	•	•	3	24	44·6	•	•	•	Rounton.
a West Witton	*605*	*58*	*14th*	*34*	*17th*	*53·7*	*39·6*	*46·3*	-	*3*	*0·07*	*2*	—	•	•	•	2	29	44·1	•	40·5	•	*West Witton.*
p Scarborough	100	59	12th	35	14, 17	54·1	39·7	46·6	+ 2·8	3	0·27	7	- 3	5·6	—	41	•	•	•	•	41·0†	•	Scarborough.
p York	56	60	12th	33	14th	55·3	38·9	46·7	+ 2·9	2	0·29	7	- 3	3·8	- 0·5	28	•	•	45·1	+1·1	43·8	+0·8	York.
a Spurn Head	26	?55	16th	35	14th	50·3	38·7	44·2	+ 0·2	1	0·12	3	- 4	*4·6*	—	*34*	•	•	•	•	•	•	*Spurn Head.*
b. South ..{ *a* Lincoln	58	57	15th	30	14th	54·4	37·7	45·7	+ 0·6	2	0·39	8	0	•	•	•	•	•	44·9	+0·9	43·7	+0·6	Lincoln.
a Fulbeck	180	58	16th	28	14th	54·6	36·3	45·0	+ 0·2	2	0·26	7	- 2	5·0	—	37	2	29	46·2	+0·1	44·5	+0·5	Rauceby.
														4·2	—	31	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	194	58	16th	35	15th	50·4	38·6	44·2	+ 0·3	3	0·19	5	—	4·8	—	36	•	•	•	•	•	•	Cromer.
p Little Massingham	280	56	16th	34	17th	50·3	36·3	43·0	- 1·7	2	0·86	22	+ 12	3·1	- 1·8	23	5	25	•	•	•	•	Lit. Massingham
a. North ..{ *a* Yarmouth	17	59	16th	34	15th	50·9	38·4	44·4	+ 0·8	2	0·39	10	+ 1	5·4	—	40	•	•	45·6	-0·9	46·1	+0·4	Yarmouth.
a Norwich	93	59	16th	30	15th	52·4	37·1	44·4	+ 0·1	3	0·39	10	—	*4·5*	—	*34*	4	24	44·1	•	•	•	*Norwich.*
a Geldeston	37	60	16th	27	15th	52·6	36·3	44·1	- 0·3	4	0·42	11	+ 2	5·0	- 0·2	37	•	•	•	•	•	•	Geldeston.
p Cambridge	41	61	16th	31	15th	53·0	36·4	44·3	- 1·2	1	0·30	8	0	4·0	- 1·1	30	4	24	46·0	-0·3	45·7	+0·4	Cambridge.
b, South ..{ *a* Clacton-on-Sea	54	62	16th	34	15th	49·7	38·1	43·6	- 0·9	4	0·31	8	—	5·3	•	40	1	24	45·9	+0·1	46·1	+0·2	Clacton.
a Rothamsted	424	58	16th	32	14, 15	51·4	35·9	43·3	- 1·1	1	0·27	7	- 3	4·7	- 0·1	35	5	25	43·7	•	•	•	Rothamsted.
p Tottenham	51	61	16th	35	14, 15	54·4	40·3	47·0	+ 1·3	1	0·19	5	—	3·9	—	29	0	31	•	•	45·7	+0·8	Tottenham.
4. MIDLAND COUNTIES.																							
a North ..{ *a* Harrogate	479	57	12th	32	17th	52·7	38·0	45·0	+ 1·8	3	0·22	6	- 5	4·8	—	36	3	24	43·7	+1·2	43·1	+0·8	Harrogate.
p Buxton	*987*	*53*	*15th*	*31*	*17th*	*49·7*	*36·6*	*42·8*	+ *1·2*	*3*	*0·32*	*10*	- *8*	*3·4*	-	*25*	4	28	41·5	-1·2	40·9	-0·7	*Buxton.*
a Bawtry	65	57	12, 15	29	14, 7	51·4	37·3	45·4	+ 0·4	2	0·23	7	- 1	4·0	—	30	1	28	44·0	+1·2	42·4	+0·5	Sheffield.
a Nottingham	82	56	12, 15	29	14th	51·0	35·9	41·5	- 0·2	2	0·20	5	- 4	3·4	—	25	2	27	45·0	+1·0	42·3	0·0	Nottingham.
b, East ..{ *p* Birmingham, Edgbsn.	535	54	12, 15, 16	35	13th	52·0	39·3	45·4	+ 0·7	2	0·18	5	- 6	2·6	—	19	0	31	43·2	+0·2	43·9	+0·2	Birmingham.
a Raunds	203	61	16th	26	14th	55·1	34·3	44·2	- 0·4	1	0·21	5	—	*4·4*	—	*33*	4	21	45·1	•	44·8	•	*Raunds.*
p Oxford	208	62	16th	33	14th	55·0	36·3	46·3	+ 0·6	2	0·35	9	+ 1	4·7	- 0·1	35	4	25	•	•	•	•	Oxford.
a Cheadle	646	54	15th	?36	14, 17	51·0	?35·6	?45·0	+ 1·3	2	0·06	2	- 10	•	•	•	1	24	•	•	•	•	Cheadle.
p Shrewsbury	191	59	12th	33	14th	54·7	39·5	46·6	+ 0·8	3	0·31	8	—	•	•	•	1	28	•	•	•	•	Shrewsbury.
c. West ..{ *a* Hereford§	291	59	12th	33	14th	55·3	38·0	46·8	+ 1·1	2	0·18	5	- 5	3·6	—	27	3	27	45·5	•	44·8	•	*Malvern.*§
a Cirencester	446	57	16th	30	17th	52·9	36·4	44·3	0·0	3	0·22	6	- 4	3·8	- 1·2	28	1	30	44·9	•	44·2	•	Cirencester.
a Bath	66	60	16th	35	14th	56·4	38·7	46·7	+ 0·7	3	0·24	6	- 6	4·5	—	34	•	•	47·6	+0·9	45·8	-0·2	Bath.
5. ENGLAND, S.E.														5·0	—	38	1	28	47·5	+1·2	46·1	+0·7	Worthing.
a Marlborough	421	58	16th	30	14th	53·6	36·6	41·7	+ 0·6	4	0·30	8	- 4	3·6	- 0·9	27	2	28	47·5	•	47·0	•	Marlborough.
a Margate	53	60	16th	36	15th	51·0	40·0	45·2	- 0·4	5	0·35	9	+ 1	5·7	+ 0·7	43	1	23	46·5	+1·5	45·8	+1·5	Margate.
a Wisley, Surrey	150	61	16th	32	15th	53·0	35·3	45·6	- 1·0	1	0·39	10	—	4·6	—	34	3	23	45·7	+0·4	44·2	-0·6	Wisley.
v Salisbury (Wilton)	180	59	16th	33	14th	54·4	36·3	46·0	- 0·1	2	0·29	7	- 7	•	•	•	2	28	47·4	•	•	•	Salisbury.
a Tunbridge Wells	354	62	16th	30	15th	53·0	34·6	44·9	- 0·5	2	0·25	6	- 4	4·0	- 1·1	30	2	21	44·9	-0·3	44·5	•	Tunbridge Wells.
a Dungeness	21	53	17th	34	15th	48·9	38·4	43·4	- 1·8	3	0·59	15	+ 7	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	57	16th	31	15th	50·0	40·4	45·0	- 1·0	3	0·42	11	+ 1	*4·5*	- *1·1*	*34*	1	28	46·7	•	45·3	•	*Hastings.*
p Southampton	64	57	16th	34	14th	53·0	40·4	47·0	- 0·7	2	0·23	7	- 4	5·3	0·0	40	3	23	•	•	•	•	Southampton.
a Ventnor	59	58	16th	35	14th	51·4	42·6	48·1	+ 1·1	1	0·23	6	- 4	6·1	+ 0·3	46	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	61	16th	34	15th	54·0	39·4	46·4	+ 0·3	1	0·31	8	- 1	4·2	- 1·2	31	2	25	46·4	+1·2	45·3	+0·5	Kew.
a Westminster	*27*	*63*	*16th*	*34*	*15th*	*54·4*	*40·1*	*46·9*	+ *0·7*	*1*	*0·28*	*7*	- *2*	*3·4*	- *0·1*	*25*	*2*	*30*	•	•	•	•	*Westminster.*
a Greenwich	*155*	*63*	*16th*	*32*	*15th*	*55·7*	*38·7*	*45·8*	- *0·6*	*2*	*0·28*	*7*	- *2*	*3·6*	- *1·0*	*27*	3	26	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*61*	*16th*	*31*	*14th*	*52·2*	*31·4*	*44·4*	—	*1*	*0·28*	*7*		*4·4*	—	*33*	5	22	•	•	•	•	*Hampstead.*
a Camden Square	*119*	*65*	*16th*	*34*	*14th*	*55·7*	*39·6*	*47·3*	—	*1*	*0·26*	*7*	-	*4·1*	—	*31*	2	28	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	51	12th	30	13th	52·3	36·7	44·1	+ 0·7	3	0·19	4	- 9	3·6	•	27	3	24	45·2	•	44·0	•	Aspatria.
p Newton Rigg	559	57	12th	31	13th	52·4	36·4	44·0	+ 1·3	4	0·08	2	- 11	3·6	- 1·2	27	4	20	44·7	+1·3	42·5	+0·5	Newton Rigg.
p Stonyhurst	375	54	12th	34	13th	51·9	38·4	44·4	+ 0·7	4	0·34	14	- 2	3·2	- 1·5	24	3	19	•	•	•	•	Stonyhurst.
p Blackpool	66	51	12th	36	13th	49·4	41·7	45·4	+ 0·9	4	0·12	3	- 8	5·1	+ 0·2	38	1	30	46·6	•	44·7	•	Blackpool.
a Southport	*37*	*52*	*13th*	*37*	*13th*	*49·7*	*42·7*	*46·0*	+ *1·4*	*4*	*0·19*	*4*	- *7*	*5·0*	- *0·1*	*37*	*1*	*28*	*47·2*	+*2·0*	*45·4*	+*1·1*	*Southport.*
a Liverpool (Bidston)	188	54	12th	39	13th	50·1	41·9	45·8	+ 0·7	5	0·20	5	- 5	4·8	—	*36*	•	•	•	•	•	•	*Liverpool.*
a Hawarden Bridge	*22*	*58*	*13th*	*40*	*17th*	*52·6*	*43·6*	*47·9*	+ *1·7*	*4*	*0·13*	*3*	- *5*	*2·9*	—	*22*	0	31	43·6	+0·5	41·2	+0·6	*Manchester (City)*
p Manchester (Whit. Pk.)	125	55	12th	35	17th	51·4	40·1	45·5	+ 0·1	3	0·20	5	- 6	*1·5*	- *1·9*	*11*	•	•	•	•	•	•	*„ (Whit. Park)*
b NORTH WALES.																							
p Llandudno	71	55	12th	37	13th	52·0	39·9	45·7	- 0·1	4	0·37	9	- 2	4·5	- 0·4	34	•	•	•	•	•	•	Llandudno.
a Holyhead	15	55	15th	42	13, 14	52·4	43·9	47·8	+ 2·4	2	0·12	3	- 9	*3·3*	—	*25*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*58*	*15th*	*36*	*17th*	*52·0*	*41·6*	*46·6*	+ *1·1*	*5*	*0·30*	*8*	—	*4·5*	—	*34*	•	•	45·7	+2·3	41·7	+0·7	*Bettws-y-Coed.*
														4·1	—	31	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.		Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft.	°		°		°	°	°	°.	•	in.	mm.	mm	hr.	hr.	%	°	°	°	°	°	°	
														4·1	—	31	•	•	•	•	•	•	
8. *a*, SOUTH WALES										•				•			•	•	•	•	•	•	
a Llangammarch Wells	550	56	11, 12	30	13th	53·4	38·1	45·4	+ 1·7	2	0·04	1	—	3·3	—	25	4	23	45·0	+1·0	44·2	+0·1	Aberystwyth
a Pembroke	149	56	15th	39	17th	51·4	43·0	47·0	+ 1·5	3	0·08	2	− 10	3·1	− 2·5	23	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	58	12th	37	17th	54·1	40·7	47·1	+ 0·1	1	0·09	2	− 13	*3·8*	—	*28*	2	27	46·6	+1·6	45·0	+0·8	Pembroke.
b, ENGLAND, S.W.																							*Cardiff.*
a Clifton	229	57	12th	36	14th	54·4	41·1	47·4	+ 0·7	3	0·33	8	− 5	*5·3*	—	*40*	0	33	•	•	•	•	*Clifton.*
a Shaftesbury	722	57	15, 16	32	14th	52·6	36·6	44·2	− 0·3	2	0·13	3	− 10	•	•	•	•	•	46·6	•	45·3	•	Shaftesbury.
a Arlington	613	55	12th	35	17th	51·7	39·4	45·3	+ 0·7	3	0·14	4	− 14	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*53*	*17th*	*42*	*16, 17*	*50·3*	*44·0*	*47·0*	+ *0·2*	*0*	*0·00*	*0*	− *12*	4·7	—	35	0	33	48·8	•	46·8	•	Newquay.
a Cullompton	202	59	15th	34	17th	56·1	40·7	48·0	+ 2·2	1	0·06	2	− 11	3·3	− 1·6	25	3	30	48·3	•	•	•	Cullompton.
a Portland Bill	19	55	15th	39	14th	52·3	42·7	47·3	+ 0·8	2	0·12	3	—	*4·3*	—	*32*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	58	16th	39	13th	54·9	42·3	48·3	+ 1·2	1	0·06	2	− 11	4·0	− 1·4	30	0	34	48·8	+1·4	•	•	Plymouth.
a Falmouth	167	58	16th	41	13, 17	53·3	43·6	48·2	+ 1·4	3	0·12	3	− 13	4·7	− 0·9	35	0	34	50·4	•	48·7	•	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	59	11, 15, 17	39	17th	48·4	42·7	45·4	+ 1·0	6	0·35	9	− 2	*2·6*	•	*19*	•	•	•	•	•	•	*Malin Head.*
a, West .. { *a* Blacksod Point ..	?	52	13, 15	39	17th	50·4	42·4	46·2	+ 0·2	5	0·28	7	− 10	•	•	•	•	•	•	•	•	•	•
{ *p* Markree Castle ..	122	58	11th	37	17th	53·0	42·4	47·5	+ 2·9	6	0·34	9	− 7	2·9	− 1·7	21	1	28	47·7	•	45·1	•	Markree Castle.
{ *a* Birr Castle	175	56	11, 15	37	13th	52·7	42·9	47·6	+ 2·6	5	0·28	7	− 5	*2·1*	*− 2·7*	*16*	•	•	•	•	•	•	*Birr Castle.*
b, East .. { *p* Armagh	196	56	11, 15	35	13th	53·9	40·9	47·1	+ 2·4	4	0·09	2	− 10	2·4	− 2·1	18	1	29	46·8	+1·8	44·7	−0·1	Armagh.
{ *a* Donaghadee	101	54	14th	39	13, 14, 17	50·3	42·1	46·0	+ 1·2	4	0·20	5	− 7	•	•	•	•	•	•	•	•	•	•
10. IRELAND, S.														•	•	•	1	30	47·8	+2·1	45·9	+0·2	Trinity Coll.
{ *p* Dublin, City	47	56	11, 15	37	13th	54·0	45·0	48·2	+ 1·5	4	0·09	2	− 9	3·5	− 1·7	26	1	28	•	•	•	•	Phœnix Park.
a, East .. { *a* Kilkenny	212	56	15th	35	13th	52·9	43·6	48·0	+ 2·4	5	0·07	2	− 11	•	•	•	0	34	•	•	•	•	Dublin City.
{ *a* Waterford	30	59	15th	37	13th	55·3	43·1	48·9	+ 3·1	1	0·01	0·2	− 15	•	•	•	•	•	•	•	•	•	•
{ *a Seskin, Carrick-on-Suir*	*541*	*57*	*15th*	*36*	*13th*	*53·4*	*40·1*	*46·4*	—	*2*	*0·37*	*9*	—	2·7	—	*20*	0	33	•	•	•	•	*Seskin.*
{ *a* Birr Castle	175	56	11, 15	37	13th	52·7	42·9	47·6	+ 2·6	5	0·28	7	− 5	2·1	− 2·7	16	•	•	•	•	•	•	Birr Castle.
{ *a* Foynes	50	53	11, 15	41	13, 17	50·9	45·0	47·8	+ 1·3	6	0·16	4	− 10	•	•	•	•	•	•	•	•	•	•
b, West .. { *a* Cahir	199	56	15, 16	39	17th	54·0	43·4	48·5	+ 3·4	4	0·07	2	—	•	•	•	•	•	•	•	•	•	•
{ *a* Killarney	174	59	15th	35	17th	53·8	43·4	48·4	+ 1·9	5	0·24	6	− 15	•	•	•	•	•	•	•	•	•	•
{ *a* Valencia	30	53	11, 15	39	17th	51·1	45·0	47·9	+ 0·6	1	0·04	1	− 23	3·0	− 2·1	22	•	•	•	•	•	•	Valencia.
{ *a* Roche's Point ..	32	54	15, 16	41	13, 17	51·9	44·1	47·8	+ 1·0	0	0·00	0	− 16	3·2	—	24	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	15, 16	43	11, 13	52·4	44·6	48·3	+ 0·3	3	0·08	2	− 10	6·0	+ 0·3	45	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	55	16th	41	15th	52·1	43·7	47·7	− 0·3	2	0·28	7	− 5	6·6	+ 0·5	50	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	58	16th	41	14th	53·1	44·1	48·4	+ 0·5	2	0·11	3	− 11	6·8	+ 0·7	51	0	37	49·7	+1·9	47·8	+0·3	Guernsey †

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, April 17th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind							Extreme Velocities.				
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.	
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.		m/s.		m/s.	d. h. m.
1. SCOTLAND, E.														
Dyce	75	15**	—	—	—	—	11	157	2	—	9	16th 15h.	26	16th 14 . 52
Aberdeen*	105	{ 37 / 52 }	—	—	16th	7	31	130	0	W. by N.	16	16th 15h.	27	16th 14 . 55
Edinburgh	39	31	—	—	16th	6	53	109	0	W. by S.	13	16th 10h.	21	16th 11 . 0
6. SCOTLAND, W.														
Eskdalemuir ..	50	22	—	—	16th	11	42	115	0	W.	15	16th 10h.	23	16th 10 . 3
Paisley (Coats Obs.)	81	52	—	—	—	—	28	140	0	NW.	11	16th 14h.	21	16th 14 . 15
2. ENGLAND, N.E.														
Alnwick Castle ..	70	17	—	—	—	—	10	158	0	NW. by W.	8	16th 12h.	18	16th 12 . 10
South Shields ..	61	12	—	—	—	—	22	146	—	WNW.	11	16th 11h.	18	16th 10 . 33
Spurn Head	40	‡	—	—	12, 13	3	42	123	0	—	11	12th 19h.	15	12th 18 . 55
3. ENGLAND, E.														
Gorleston	42	‡‡	—	—	13th	7	53	108	0	—	16	13th 8h.	20	13th 8 . 0
Shoeburyness ..	90	‡	—	—	—	—	33	135	0	N.	11	13th 11h.	17	13th 9 . 25
4. MIDLAND COUNTIES.														
Benson	84	‡	—	—	—	—	23	145	0	N.	11	13th 12h.	16	13th 12 . 0
5. ENGLAND, S.E.														
Dover	40	‡‡	—	—	13th	14	61	93	0	—	14	13th 14h.	20	13th 13 . 50
Warlingham ..	33	‡‡	—	—	—	—	15	153	0	—	7	13th 14h.	16	13th 15 . 22
Brighton	53	6	—	—			3	55	110	—	7	12th 24h.	13	12th 23 . 50
Kew†	65	{ 7 / 22 }	—	—	—	—	17	151	0	NNE.	9	13th 11h.	17	13th 16 . 12
South Kensington ..	92	30	—	—	—	—	6	162	0	N.	6	13th 13h.	11	13th 13 . 0
7. ENGLAND, N.W.														
Carnforth	56	23	—	—	—	—	11	157	0	NW. by W.	9	16th 13h.	14	16th 12 . 30
Southport	62	48	—	—	12, 16	14	88	66	0	NW.	14	12th 18h.	18	12th 17 . 20
Holyhead*	40	‡	—	—	—	—	75	93	0	N. by W.	11	12th 24h.	15	12th 12 . 12
8. ENGLAND, S.W.														
Pendennis Castle* ..	65	24	—	—	12, 13	5	92	69	2	N.	12	12th 18h.	17	13th 11 . 15
Plymouth††	86	21	—	—	—	—	34	134	0	—	8	13th 11h.	14	13th 2 . 30
10. IRELAND, S.														
Quilty	40	‡‡	—	—	12th	6	115	47	0	—	13	12th 12h.	18	12th 17 . 27
Weaver Pt.	30	‡	—	—	11, 12	4	56	105	3	—	13	12th 15h.	18	12th 14 . 55
11. ENGLISH CHANNEL.														
Scilly*	{ 32 / 19 }	‡	—	—	12, 13	5	63	100	—	NW.	13	12th 20h.	18	12th 16 . 25

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

** Above tops of trees.

†† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FIFTEENTH WEEK—April 11th to April 17th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	30	48·6	38·0	43·0	+ 1·1	24	+ 1	11	− 11	6	+ 1	0·77	19	+ 1	2·8	−1·8	20	1017
Eastern.																			
1. SCOTLAND, EAST ...	61	26	52·2	36·8	44·1	+ 1·8	37	+ 7	15	− 8	4	0	0·15	4	− 7	4·1	−0·6	30	1019
2. ENGLAND, N.E.	60	28	53·5	38·2	45·5	+ 2·1	40	+ 13	11	− 5	2	− 1	0·22	6	− 3	4·5	−0·5	33	1022
3. ENGLAND, EAST ...	62	27	51·7	37·5	44·3	− 0·3	35	− 2	13	− 2	2	− 2	0·37	10	+ 1	4·5	−0·6	34	1022
4. MIDLAND COUNTIES ...	62	26	53·9	37·8	45·5	+ 0·9	42	+ 3	12	− 5	2	− 1	0·22	6	− 4	4·0	−0·7	30	1023
5. ENGLAND, S.E.	62	30	52·7	39·2	45·6	− 0·4	37	− 3	8	− 2	2	− 1	0·34	9	+ 1	4·8	−0·4	36	1023
Western.																			
6. SCOTLAND, WEST ...	58	28	51·5	39·3	45·1	+ 1·4	33	+ 3	8	− 8	5	+ 1	0·21	5	− 11	4·1	−1·0	30	1022
7. ENGLAND, N.W.	58	30	51·5	40·3	45·6	+ 1·0	32	0	5	− 7	4	+ 1	0·22	5	− 7	4·1	−0·6	31	1024
8. ENGLAND, S.W.	59	30	53·4	40·8	46·8	+ 0·8	39	+ 1	3	− 5	2	− 2	0·12	3	− 10	3·9	−1·5	29	1025
9. IRELAND, NORTH ...	58	35	51·5	42·2	46·6	+ 1·7	32	− 2	0	− 11	5	+ 1	0·26	7	− 6	2·7	−2·1	20	1024
10. IRELAND, SOUTH ...	59	35	53·0	43·7	48·1	+ 1·8	43	+ 2	0	− 8	3	− 1	0·11	3	− 11	3·0	−2·3	22	1027
11. ENGLISH CHANNEL ...	58	41	52·5	44·1	48·1	− 0·1	43	− 1	0	− 1	2	− 2	0·16	4	− 7	6·5	+0·3	49	1025

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 7 Weeks, February 28th to April 17th, 1915.

0. SCOTLAND, NORTH ...	56	23	45·9	35·0	40·3	*	89	− 7	169	− 35	37	+ 3	7·37	186	+ 23	2·9	−0·5	24	1010
Eastern.																			
1. SCOTLAND, EAST ...	61	11	47·4	33·7	40·3	*	114	− 16	210	− 12	29	+ 1	3·20	82	− 5	4·0	+0·1	34	1012
2. ENGLAND, N.E.	64	20	49·2	35·7	42·2	*	170	+ 30	151	− 23	23	− 2	2·12	54	− 15	4·4	+0·2	37	1014
3. ENGLAND, EAST ...	63	22	49·0	36·0	42·3	*	170	− 13	140	− 45	23	− 2	2·41	62	0	4·0	−0·2	33	1015
4. MIDLAND COUNTIES ...	63	19	49·7	35·1	42·2	*	174	− 17	170	− 18	20	− 3	1·94	50	− 20	3·8	0·0	31	1016
5. ENGLAND, S.E.	62	22	49·2	37·1	43·0	*	170	− 25	117	− 18	19	− 3	2·08	54	− 14	3·8	−0·4	32	1015
Western.																			
6. SCOTLAND, WEST ...	60	18	47·9	35·8	41·7	*	128	− 6	159	− 3	29	+ 1	4·42	111	− 23	4·3	+0·4	36	1014
7. ENGLAND, N.W.	60	22	48·1	37·1	42·4	*	134	− 13	125	− 19	26	+ 1	3·26	82	− 11	4·0	+0·3	34	1016
8. ENGLAND, S.W.	59	18	49·1	37·3	43·0	*	165	− 28	115	+ 3	21	− 4	2·53	64	− 42	3·9	−0·4	33	1017
9. IRELAND, NORTH ...	59	20	48·9	37·1	42·8	*	154	− 12	115	− 18	32	+ 1	3·11	79	− 28	3·5	−0·2	29	1015
10. IRELAND, SOUTH ...	59	21	50·1	38·2	44·0	*	199	− 14	96	− 5	26	− 1	2·67	69	− 48	4·1	−0·1	34	1018
11. ENGLISH CHANNEL ...	60	28	49·9	41·1	45·4	*	210	− 22	30	− 8	22	− 5	2·37	60	− 28	4·1	−1·0	34	1018

THE YEAR.—Aggregates, &c., for the Period of 15 Weeks, January 3rd to April 17th, 1915.

0. SCOTLAND, NORTH ...	56	12	44·0	34·2	39·1	*	122	− 28	429	− 69	80	+ 5	17·77	451	+ 33	2·0	−0·3	20	1004
Eastern.																			
1. SCOTLAND, EAST ...	61	11	44·3	32·7	38·4	*	135	− 56	539	− 19	65	+ 6	8·86	226	+ 26	2·7	−0·1	27	1005
2. ENGLAND, N.E.	64	20	46·0	35·9	40·5	*	212	+ 2	373	− 69	62	+ 8	7·18	182	+ 35	2·9	−0·1	30	1007
3. ENGLAND, EAST ...	63	18	46·3	35·4	40·8	*	230	− 30	357	−130	66	+12	8·02	204	+ 66	2·7	−0·4	27	1009
4. MIDLAND COUNTIES ...	63	19	46·8	34·4	40·5	*	246	− 35	416	− 72	55	+ 3	8·05	205	+ 39	2·7	0·0	27	1009
5. ENGLAND, S.E.	62	15	47·1	36·4	41·7	*	271	− 27	394	− 61	55	+ 5	9·79	250	+ 81	2·8	−0·2	27	1010
Western.																			
6. SCOTLAND, WEST ...	60	18	45·4	34·8	40·1	*	169	− 45	398	+ 4	69	+ 5	13·95	354	+ 16	3·1	+0·4	30	1007
7. ENGLAND, N.W.	60	21	45·8	36·2	41·0	*	197	− 33	319	− 47	60	+ 2	10·95	277	+ 54	3·0	+0·4	30	1008
8. ENGLAND, S.W.	59	17	47·0	37·4	41·8	*	261	− 66	288	+ 1	63	+ 5	12·59	320	+ 54	3·0	−0·1	29	1010
9. IRELAND, NORTH ...	59	20	46·4	35·6	40·9	*	223	− 53	340	+ 15	73	+ 5	10·64	271	+ 13	2·6	−0·1	26	1007
10. IRELAND, SOUTH ...	59	21	47·8	36·8	42·2	*	297	− 81	283	+ 36	71	+10	12·16	312	+ 22	3·2	+0·1	31	1010
11. ENGLISH CHANNEL ...	60	27	48·7	40·3	44·5	*	373	− 55	120	+ 12	67	+ 3	11·10	282	+ 59	3·3	−0·4	32	1011

W. N. SHAW, Director.
Meteorological Office, South Kensington, April 21st, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 16. SIXTEENTH WEEK, SUNDAY, APRIL 18TH, TO SATURDAY, APRIL 24TH, 1915.

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I.—Remarks.

Over the greater part of England and Ireland the weather was fair and dry, although cold for the time of year and sometimes very cloudy. In Scotland more or less rain was experienced on most days, and in the north the total amount was much above the normal. On the 18th there were some very heavy falls locally; 44 mm. at Fort William, 37 mm. at Glencarron, and 25 mm. at Fort Augustus. Over a considerable area in the east and north-east of England the aggregate fall for the week did not exceed a millimetre. Bright sunshine exceeded the normal along the south coast and the east coast up to the Wash. The mean daily duration ranged from 7·2 hrs. in the English Channel, and 6·9 hours in England East to 3·1 hours in Scotland North and to 2·8 hours in Ireland North, where the mean value showed a deficit of as much as 2 hours per day. Temperature was generally below the normal in England, about normal in Scotland, and above normal in Ireland. Both the highest daily maxima, and the lowest minima occurred on rather irregular dates. Most districts recorded a reading above 60°, the highest being 65° in England East. Frost was experienced in all districts in Great Britain, the thermometer falling to 27° in Scotland East, the Midland Counties and England South-East.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient
	Rainfall ...	Very heavy	Moderate	Light	Light	Light	Light	Moderate	Moderate	Light	Moderate	Light	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Abundant	Scanty	Abundant	Scanty	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.

SPRING, 8 weeks from Feb. 28th, 1915.	Warmth ...	1, 7, 0	2, 4, 2	4, 3, 1	1, 6, 1	1, 5, 2	1, 6, 1	0, 6, 2	0, 7, 1	0, 7, 1	1, 5, 2	1, 5, 2	0, 6, 2
	Rainfall ...	3, 2, 3	3, 3, 2	1, 4, 3	2, 4, 2	0, 5, 3	1, 4, 3	2, 2, 4	3, 3, 2	1, 3, 4	1, 4. 3	1, 2, 5	1, 5, 2
	Sunshine ...	0, 5, 3	2, 6, 0	1, 6, 1	3, 3, 2	1, 4, 3	1, 5, 2	4, 1, 3	3, 4, 1	0, 7, 1	2, 3, 3	2, 3, 3	0, 5, 3

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 9, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4. 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8. 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6. 2	6, 6, 1	4, 7. 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7. 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4. 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2. 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5. 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8. 4. 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

11.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, April 24th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	50	47	49·0	+1·3
Wick	44	42	42·9	-1·4	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	44	42	42·9	+0·8
Ballantrae	47	43	44·9	-0·1	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	51	50	50·5	—	ENGLAND, S.E.				
Plymouth‡	50	48	49·0	+0·5	Eastbourne‡	49	47	47·4	+0·8
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	49	45	47·2	-0·2	Port Erin	49	45	46·0	+0·4

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4755—19.) Wt. 160—610. 450. 4/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Bright Sunshine Hours per D-y. Daily Mean.	Difference from Average	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*	*50*	*24th*	*30*	*21st*	*46·0*	*37·3*	*41·4*	—	7	*0·90*	*23*	—	*3·0*	—	*20*	•	•	40·5	•	•	•	*Baltasound.*
a Islands .. *a* Lerwick ..	54	49	24th	31	21st	45·1	36·4	40·5	—	7	1·22	31	—	3·3	- 1·7	23	•	•	•	•	•	•	Deerness.
a Stornoway	51	52	24th	35	20-22	48·3	38·4	43·1	- 0·3	6	1·06	27	+ 9	3·6	- 1·8	25	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd. ..	*37*	*52*	*24th*	*36*	*21st*	*48·1*	*40·6*	*44·2*	*- 0·3*	*5*	*0·79*	*20*	—	*4·6*	—	*32*	•	•	•	•	•	•	*Castlebay.*
a Wick ..	81	54	19th	30	21st	48·1	36·7	41·6	- 1·7	7	0·98	25	+ 14	•	•	•	•	•	•	•	•	•	
p Strathpeffer ..	200	56	24th	33	20, 21	51·6	38·1	44·5	+ 0·8	6	0·89	23	+ 12	2·9	- 2·0	20	•	•	•	•	•	•	Strathpeffer.
p Glencarron ..	500	51	22, 24	31	22nd	46·9	36·5	40·9	- 1·6	6	2·50	64	+ 31	•	•	•	•	•	•	•	•	•	
p Fort Augustus..	68	57	24th	32	22nd	50·0	38·4	43·9	+ 0·2	5	1·84	47	+ 33	2·7	- 1·2	19	•	•	•	•	•	•	Fort Augustus,
p Fort William ..	171	57	24th	33	22nd	51·1	38·3	44·4	- 0·6	5	2·75	70	+ 44	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
p Gordon Castle ..	101	57	19th	33	20, 22	51·6	37·6	44·3	+ 0·3	5	0·79	20	+ 10	3·6	—	25	3	26	44·2	+1·0	42·3	+0·3	Crathes.
a Nairn	82	56	23rd	32	21st	52·3	36·9	44·2	+ 0·3	6	0·99	24	+ 16	*3·5*	—	*24*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen ..	48	61	19th	32	21st	51·9	37·6	44·4	+ 0·6	5	0·43	11	- 1	4·4	—	31	•	•	•	•	•	•	Nairn.
a Balmoral ..	930	59	22nd	29	22nd	54·3	35·4	44·4	+ 3·8	4	0·36	9	- 5	4·5	- 0·8	31	•	•	•	•	42·5	+0·1	Aberdeen.
p Crieff	432	59	24th	30	21st	52·9	37·0	44·6	- 0·1	4	0·36	9	- 5	•	•	•	2	25	•	•	•	•	Balmoral,
a Leith	18	58	24th	35	21st	52·9	39·9	46·1	+ 0·8	5	0·35	9	+ 2	4·5	—	32	•	•	•	•	•	•	Balrudderry.
a West Linton ..	769	58	24th	29	21st	50·1	36·3	42·9	+ 2·2	6	0·47	12	—	•	•	•	•	•	•	•	•	•	
p Marchmont ..	498	54	23rd	27	21st	51·4	34·7	42·7	- 0·1	2	0·12	3	- 9	*3·2*	•	*23*	3	23	•	•	•	•	*West Linton.*
a Edinburgh ..	*441*	*55*	*24th*	*32*	*21st*	*51·3*	*39·0*	*44·9*	—	*5*	*0·51*	*13*	—	4·3	- 0·5	30	3	23	•	•	•	•	Marchmont.
														3·4	—	24	1	28	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	59	24th	36	21–23	51·3	39·4	45·1	+ 0·2	5	0·46	12	0	3·3	- 1·0	23	2	28	•	•	•	•	Glasgow.
p Rothesay‡	170	56	24th	34	21st	50·7	38·6	44·4	- 1·1	6	0·79	20	+ 3	*4·1*	—	*29*	2	28	46·4	•	44·9	+0·8	*Rothesay.*
a Kilmarnock	90	61	24th	29	23rd	51·9	37·4	44·3	- 0·6	4	0·40	10	—	*4·2*	—	*30*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	57	23rd	33	23rd	51·6	39·0	45·0	- 0·2	5	0·36	9	- 5	•	•	•	2	28	•	•	•	•	
a Dumfries	160	57	24th	32	23rd	52·4	38·7	45·2	- 0·3	4	0·54	14	+ 1	*3·8*	—	*27*	2	25	45·1	•	44·3	•	*Dumfries.*
Eskdalemuir ..	*799*	*56*	*24th*	*27*	*21st*	*49·7*	*34·0*	*41·5*	—	*5*	*0·98*	*25*	—	*3·9*	—	*28*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse ..	120	62	24th	29	21st	54·1	35·7	44·5	- 0·3	3	0·55	14	- 4	•	•	•	•	•	•	•	•	•	
b. I. OF MAN. *p* Douglas	277	52	24th	35	21, 23	49·4	40·3	44·6	- 0·5	5	0·59	15	0	4·2	- 1·9	30	2	27	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	55	18th	30	21st	50·3	39·1	44·4	+ 0·8	4	0·19	5	- 6	4·6	—	33	3	22	44·9	+1·8	44·0	+1·1	Cockle Park.
a Tynemouth ..	71	56	18th	32	21st	50·7	39·7	44·9	+ 0·8	2	0·08	2	- 6	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	56	18th	29	21st	51·0	36·6	43·5	- 0·3	3	0·19	5	- 4	5·5	+ 1·0	39	2	25	•	•	•	•	Durham.
a, North .. *p* Rounton	249	57	19th	28	21st	51·7	36·0	43·5	- 0·2	4	0·17	4	- 6	•	•	•	2	22	45·7	•	•	•	Rounton.
a West Witton ..	*605*	*53*	*18, 23*	*31*	*21st*	*50·3*	*35·7*	*42·2*	—	*3*	*0·23*	*6*	—	4·8	—	34	2	25	45·2	•	41·7	•	*West Witton.*
p Scarborough ..	100	56	18th	35	21st	51·9	39·7	45·5	+ 1·0	3	0·28	7	- 3	•	•	•	•	•	•	•	44·9†	•	Scarborough.
p York	56	56	19th	33	21, 23	52·6	37·6	44·7	- 1·3	1	0·03	1	- 9	*22·7*	- 1·9	19	•	•	45·6	+0·4	44·9	+1·0	York.
a Spurn Head ..	28	58	19th	36	21, 22	52·4	38·7	45·2	+ 0·3	0	0·00	0	- 7	*3·1*	—	*24*	•	•	•	•	•	•	*Spurn Head.*
b, South .. *a* Lincoln ..	58	60	19th	32	21, 24	53·3	38 0	45·3	- 0·9	2	0·01	1	- 7	•	•	•	•	•	45·8	+0·7	44·7	+0·8	Lincoln.
a Fulbeck	180	60	19th	28	21st	52·7	35·9	43·9	- 2·1	3	0·08	2	- 7	4·9	—	29	4	20	47·0	- 1·4	45·3	+0·3	Rauceby.
														5·7	—	41	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	65	19th	35	18th	54·9	38·9	46·5	+ 1·0	2	0·02	1	—	7·7	—	55	•	•	•	•	•	•	Cromer.
p Little Massingham ..	280	61	19th	33	18, 21, 22	54·0	35·1	44·1	- 3·0	2	0·02	1	- 9	6·6	+ 1·4	48	6	25	•	•	•	•	Lit. Massingham
a, North .. *a* Yarmouth ..	17	63	19th	32	18th	52·7	37·9	44·9	- 1·0	3	0·18	4	- 5	8·4	—	60	•	•	47·7	-1·2	47·1	0·0	Yarmouth.
a Norwich	93	64	19th	28	18th	54·7	35·1	44·4	- 2·1	1	0·02	1	—	*6·4*	—	*46*	6	21	45·8	•	•	•	*Norwich.*
a Geldeston	37	65	19th	29	18th	55·6	35·1	44·9	- 2·1	1	0·04	1	- 8	7·2	+ 1·8	52	•	•	•	•	•	•	Geldeston.
p Cambridge	41	61	19th	28	18th	55·3	34·4	44·4	- 3·6	2	0 12	3	- 6	5·6	+ 0·2	40	4	20	47·2	-0·5	46·4	+0·1	Cambridge.
a Clacton-on-Sea ..	54	62	19th	34	18th	51·7	37·4	44·2	- 2 6	1	0·01	0·3	—	8·3	—	60	2	29	47·7	+0·4	47·3	+0 3	Clacton.
b, South .. *a* Rothamsted ..	424	57	19th	29	18th	52·4	34·4	43·0	- 4·0	1	0·08	2	- 7	5·4	+ 0·3	39	5	20	45·4	•	•	•	Rothamsted.
p Tottenham	51	61	19th	33	18, 24	54·6	38·4	46·1	- 2·2	0	0·00	0	—	5·8	—	42	2	29	•	•	46·6	+0·6	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate ..	479	54	18, 19	31	23rd	50·6	38·6	44·3	+ 0·1	2	0·08	2	- 9	4·7	—	34	2	24	44·6	+1·0	44·6	+1·3	Harrogate.
p Buxton	*987*	*53*	*19th*	*30*	*21st*	*48·6*	*34·7*	*41·3*	*- 1·4*	*4*	*0·32*	*8*	*- 9*	*4·0*	—	*29*	4	21	42·4	-2·0	41·8	-0·5	*Buxton.*
a Bawtry	65	58	19th	30	24th	52·6	37·0	44·4	- 1·7	3	0·05	1	- 7	3·4	—	24	2	27	44·3	+0·1	43·2	+0·5	Sheffield.
a Nottingham	82	60	19th	29	24th	53·1	36·9	44·6	- 1·4	3	0·16	4	- 5	3·6	- 0·9	26	4	23	45·9	•	45·3	•	Worksop.
b, East .. *p* Birmingham, Edgbsn.	535	58	19th	33	21st	51·4	37·0	43·9	- 2·0	3	0·17	4	- 7	4·5	—	32	3	24	45·3	-0·1	43·3	0·0	Nottinguam.
a Raunds	203	62	19th	28	24th	54·6	34·4	44·0	- 1·7	1	0·05	1	—	2·1	—	15	3	24	43·3	-0·7	44·3	+0·2	Birmingham.
p Oxford	268	56	20th	32	24th	53·4	36·4	44·5	- 2·5	2	0·04	1	- 8	*4·4*	—	*32*	4	21	46·0	•	45·0	•	*Raunds.*
														3·5	- 1·6	25	4	25	•	•	•	•	Oxford.
a Cheadle	646	55	19th	32	24th	51·3	39·6	45·2	+ 0·3	2	0·09	2	- 10	•	•	•	2	28	•	•	•	•	Cheadle.
p Shrewsbury ..	191	58	20th	29	18th	53·9	36·1	44·6	- 2·4	5	0 31	8	—	•	•	•	3	25	•	•	•	•	Shrewsbury.
c, West .. *a* Hereford§ ..	291	61	19th	29	21st	54·0	36·0	44·6	- 2·3	4	0·21	5	- 5	•	•	•	4	26	•	•	•	•	*Malvern.*§
a Cirencester ..	446	55	20th	27	24th	52·0	33·7	42·4	- 3·0	3	0·23	6	- 4	2·3	- 3·0	17	3	28	45·1	•	45·0	•	Cirencester.
a Bath	66	57	24th	31	24th	54·3	37·9	45·7	- 1·3	3	0·16	4	- 7	3·0	—	*22*	•	•	48·2	+0·1	46·9	0·0	Bath.
5. ENGLAND, S.E.																							
a Marlborough ..	424	54	19, 24	27	24th	52·7	33·9	42·3	- 3·4	3	0·19	5	- 6	7·7	—	55	2	28	48·9	+0·7	47·3	+0·9	Worthing.
a Margate	53	63	19th	38	19th	52·0	41·3	46·4	- 0·4	2	0·10	3	- 5	3·3	- 1·5	24	4	27	47·9	•	47·7	•	Marlborough.
a Wisley, Surrey ..	150	60	19th	28	24th	54·4	35·0	44·2	- 3·8	0	0·00	0	—	9·3	+ 4·0	67	0	31	48·4	+1·6	47·0	+1·6	Margate.
v Salisbury (Wilton) ..	180	57	19th	30	18, 24	54·4	34·7	44·1	- 3·4	3	0·18	5	- 8	5·5	—	40	5	18	46·6	-0·3	45·4	-0·5	Wisley.
a Tunbridge Wells ..	354	62	19th	30	18th	54·3	35·4	44·4	- 1·8	2	0·13	3	- 7	•	•	•	5	25	48·3	•	•	•	Salisbury.
														6·5	+ 1·0	47	5	19	46·6	-0·6	45·8	•	Tunbridge Wells.
a Dungeness	21	53	19, 24	32	24th	51·1	37·6	44·0	- 2·3	2	0·16	4	- 4	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	55	19th	36	18, 24	52·1	38·9	45·2	- 1·6	2	0·11	3	- 6	7·9	+ 2·0	57	1	30	48·0	•	46·4	•	*Hastings.*
p Southampton ..	64	56	18, 22	34	18, 19, 24	54·3	36·9	45·2	- 3·5	2	0·14	4	- 7	5·8	+ 0·1	42	5	22	•	•	•	•	Southampton.
a Ventnor	59	55	19, 21, 24	36	21st	54·0	40·4	46·9	- 1·3	3	0·19	5	- 5	7·6	+ 1·5	55	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	59	19th	32	18th	54·0	37·4	45·3	- 1·9	3	0·12	3	- 5	5·5	+ 0·4	40	5	23	47·3	+0·2	46·2	+0·5	Kew.
a Westminster ..	*27*	*62*	*19th*	*33*	*19th*	*54·9*	*39·3*	*46·7*	*- 0·6*	*2*	*0·08*	*2*	*- 6*	*5·4*	*+ 1·5*	*39*	2	27	•	•	•	•	*Westminster.*
a Greenwich ..	*155*	*63*	*19th*	*29*	*18th*	*55·4*	*36·6*	*45·6*	*- 1·7*	*4*	*0·07*	*2*	*- 6*	*5·6*	*+ 0·6*	*40*	6	19	•	•	•	•	*Greenwich.*
a Hampstead ..	*450*	*59*	*19th*	*32*	*21st*	*51·6*	*36·3*	*43·6*	—	*2*	*0·09*	*2*	—	*5·6*	—	*40*	6	19	•	•	•	•	*Hampstead.*
a Camden Square ..	*110*	*63*	*19th*	*32*	*18th*	*57·3*	*36·4*	*46·4*	—	*2*	*0·07*	*2*	—	*5·2*	—	*37*	3	25	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	57	24th	32	21st	50·7	37·7	43·9	- 0·5	4	1·06	27	+ 14	5·8	•	41	•	•	•	•	•	•	Hoylake.
p Newton Rigg ..	559	54	23, 24	29	21st	51·1	37·4	43·9	+ 0·2	4	0·88	22	+ 9	3·8	•	27	2	27	48·5	•	44·8	•	Aspatria.
p Stonyhurst	375	53	23rd	32	23rd	50·6	38·6	44·3	- 0·4	4	0·39	10	- 6	4·4	- 0·7	31	5	20	46·2	+1·7	43·7	+0·9	Newton Rigg.
p Blackpool	66	53	23 24	32	23, 24	51·6	38·6	44·8	- 0·8	4	0·28	7	- 4	3·9	- 1·2	28	4	20	•	•	•	•	Stonyhurst
a Southport	*37*	*56*	*19th*	*33*	*23rd*	*51·6*	*41·1*	*46·1*	*+ 0·4*	*4*	*0·35*	*9*	*- 2*	6·3	+ 1·0	45	1	28	48·5	•	45·6	•	Blackpool.
a Liverpool (Bidston) ..	188	56	19th	35	23rd	50·9	40 3	45·4	- 0·4	5	0·24	6	- 4	*6·1*	*+ 0·6*	*44*	1	28	49·8	+2·6	47·4	+1·8	*Southport.*
a Hawarden Bridge ..	*22*	*56*	*18th*	*35*	*18th*	*52·1*	*40·1*	*45·8*	*- 1·4*	*4*	*0·16*	*4*	*- 4*	*6·0*	—	*43*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	55	18, 19	34	21st	51·4	38·7	44·8	- 1·9	3	0·20	5	- 6	*3·8*	—	*27*	1	30	44·5	+0·1	45·2	+0·8	*Manchester (City)*
														2·3	*- 1·4*	*16*	•	•	•	•	•	•	" (Whit. Park)
b NORTH WALES.																							
p Llandudno	71	55	19th	33	23rd	51·1	38·9	44·7	- 2·1	5	0 43	11	+ 1	5·0	- 0·3	36	•	•	•	•	•	•	Llandudno.
a Holyhead	15	54	22nd	39	23rd	50·7	42·1	46·2	0·0	5	0·24	6	- 6	*5·5*	—	*39*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed ..	*148*	*56*	*18th*	*30*	*23rd*	*51·9*	*37·7*	*44·5*	*- 1·9*	*3*	*0·45*	*11*	—	*4·1*	—	*30*	•	•	45·4	+0·5	45·6	+0·9	*Bettws-y-Coed.*
														5·2	—	37	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 1 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft.	°		°		°	°	°	°	*	in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														5·5	—	40	*	*	*	*	*	*	Aberystwyth.
a Llangammarch Wells	550													*	*	*	*	*	*	*	*	*	Llangammarch.
a Pembroke	149	52	23rd	38	18th	50·0	41·4	45·5	- 0·8	4	0·16	4	- 8	6·0	0·0	43	*	*	*	*	*	*	Pembroke.
p Cardiff	202	54	18, 24	34	21st	51·9	38·4	44·8	- 3·4	4	0·11	3	- 11	*3·0*	—	22	1	25	46·5	-0·1	45·9	+0·8	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	?56	24th	?35	21st	?53·7	?41·1	?47·1	?- 0·7	3	0·26	7	- 6	*2·5*		*18*	1	30	*	*	*	*	*Clifton.*
a Shaftesbury	722	55	24th	30	21st	51·1	33·9	42·1	- 3·6	2	0·14	4	- 9	*	*	*	*	*	46·9	*	46·3	*	Shaftesbury.
a Arlington	613	52	18, 19, 23	33	19th	50·1	37·6	43·6	- 2·1	4	0·30	8	- 9	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*53*	*19th*	*35*	*24th*	*49·9*	*40·9*	*45·2*	*- 2·8*	*4*	*0·21*	*5*	- 7	5·3	- 0·5	39	3	30	50·1	*	48·0	*	Newquay.
a Cullompton	202	58	24th	32	19th	54·4	38·3	46·0	- 1·1	3	0·30	8	- 5	2·2	- 3·0	16	4	28	48·7	*	*	*	Cullompton.
a Portland Bill	19	52	19, 21	38	24th	50·6	41·3	45·7	- 1·6	3	0·24	6	—	*5·3*	—	*39*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	54	23, 24	35	21st	52·3	40·1	45·9	- 2·2	4	0·17	4	- 9	3·3	- 2·4	24	3	27	48·8	-0·1	*	*	Plymouth.
a Falmouth	167	53	18, 19, 24	39	22nd	52·1	41·6	46·6	- 1·1	3	0·16	4	- 11	4·1	- 2·0	30	1	30	50·9	*	49·6	*	Falmouth.
9. IRELAND. N.																							
a Malin Head	208	51	23rd	38	21st	49·0	41·0	44·8	- 0·5	5	0·59	15	+ 4	*3·9*	*	*38*	*	*	*	*	*	*	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	53	20th	37	21st	50·4	41·6	45·8	- 1·1	4	0·43	11	- 6	*	*	*	*	*	*	*	*	*	
p Markree Castle ..	122	60	23rd	37	20, 21, 23	53·9	40·4	46·8	+ 1·3	3	0·62	16	+ 1	2·0	- 2·9	14	2	30	48·8	*	45·9	*	Markree Castle.
a Birr Castle	175	61	23rd	34	23rd	54·4	38·3	46·0	- 0·3	4	0·28	7	- 5	*2·3*	*- 2·8*	*17*	*	*	*	*	*	*	*Birr Castle.*
b, East .. *p* Armagh	196	60	23rd	35	23rd	54·0	40·4	46·9	+ 1·2	4	0·23	6	- 6	3·6	- 1·3	26	2	29	47·7	+1·6	45·9	-0·4	Armagh.
a Donaghadee	101	55	19th	37	18, 21	51·0	38·9	44·7	- 0·8	4	0·08	2	- 10	*	*	*	2	28	49·4	+2·2	46·9	-0·3	Trinity Coll.
10. IRELAND, S.														5·2	- 0·3	37	1	25	*	*	*	*	Phœnix Park.
p Dublin, City	47	61	19th	37	23rd	55·7	42·7	48·9	+ 1·1	5	0·41	10	- 1	*	*	*	0	34	*	*	*	*	Dublin City.
a, East .. *a* Kilkenny	212	61	24th	32	23rd	55·9	40·3	47·7	+ 1·2	3	0·11	3	- 10	*	*	*	*	*	*	*	*	*	
a Waterford	30	63	24th	35	23rd	56·7	41·1	48·5	+ 1·9	1	0·10	3	- 11	*	*	*	*	*	*	*	*	*	
a Seskin, Carrick-on-Suir	*541*	*61*	*24th*	*36*	*21st*	*55·0*	*40·1*	*47·2*	—	*3*	*0·17*	*4*	—	*5·0*	—	*36*	2	28	*	*	*	*	*Seskin.*
a Birr Castle	175	61	23rd	34	23rd	54·4	38·3	46·0	- 0·3	4	0·28	7	- 5	2·3	- 2·8	17	*	*	*	*	*	*	Birr Castle.
a Foynes	50	58	19, 24	41	18th	54·4	44·4	49·2	+ 1·8	4	0·35	9	- 5	*	*	*	*	*	*	*	*	*	
a Cahir	199	62	24th	33	18th	57·1	40·3	48·3	+ 2·3	4	0·20	5	—	*	*	*	*	*	*	*	*	*	
b, West .. *a* Killarney	174	61	23, 24	36	18th	56·5	43·4	49·6	+ 2·4	3	0·30	8	- 12	*	*	*	*	*	*	*	*	*	
a Valencia	30	57	24th	41	18, 23	53·3	43·3	48·1	0·0	3	0·28	7	- 16	2·5	- 2·8	18	*	*	*	*	*	*	Valencia.
a Roche's Point ..	32	59	24th	38	18th	54·0	42·4	47·9	+ 0·1	4	0·16	4	- 12	4·3	—	31	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	18th	43	24th	52·4	44·9	48·5	- 0·2	4	0·16	4	- 7	6·5	+ 0·5	47	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	56	20th	37	22nd	53·0	40·7	46·6	- 2·4	3	0·24	6	- 6	7·7	+ 1·3	56	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	55	19, 24	36	22nd	53·6	41·0	47·0	- 1·8	3	0·22	6	- 8	7·4	+ 0·8	54	1	29	50·7	+1·7	49·2	+0·4	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, April 24th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.							Extreme Velocities.				
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.	
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.		m/s.		m/s.	d. h. m.
1. SCOTLAND, E.														
Dyce	75	15**	—	—	—	—	19	116	33	—	8	18th 15h.	18	20th 10 . 32
Aberdeen*	105	37 / 52	—	—	19, 20	6	48	114	0	SW. by S.	11	19th 9h.	23	20th 10 . 38
Edinburgh	39	31	—	—	19th	9	65	94	0	SW. by S.	16	19th 10h.	25	19th 9 . 55
6. SCOTLAND, W.														
Eskdalemuir ..	50	22	19th	5	18 to 20, 24	21	59	83	0	SW.	20	19th 12h.	26	19th 7 . 38
Paisley (Coats Obs.)	81	52	—	—	20th	1	45	115	7	SW. by S.	11	20th 3h.	22	20th 8 . 56
2. ENGLAND, N.E.														
Alnwick Castle ..	70	17	—	—	—	—	34	134	0	SW. by W.	11	19th 7h.	20	19th 7 . 25
South Shields ..	61	12	—	—	—	—	34	134	0	W. by S.	11	19th 10h.	19	19th 9 . 36
Spurn Head	40	‡	—	—	—	—	33	135	0	SW.	8	20th 10h.	14	20th 11 . 10
3. ENGLAND, E.														
Gorleston	42	‡	—	—	24th	1	74	93	0	—	11	24th 24h.	15	24th 24 . 10
Shoeburyness ..	90	‡	—	—	—	—	40	125	3	SW.	10	20th 14h.	13	24th 18 . 1
4. MIDLAND COUNTIES.														
Benson	84	‡	—	—	—	—	31	128	9	NNW.	8	20th 15h.	14	19th 19 . 15
5. ENGLAND, S.E.														
Dover	40	‡	—	—	19, 20, 23, 24	12	68	88	0	—	13	23rd 16h.	17	23rd 17 . 15
Warlingham ..	33	‡	—	—	—	—	2	166	0	—	7	20th 14h.	12	20th 13 . 13
Brighton	53	6	—	—	—	—	7	127	34	—	6	20th 12h.	13	20th 22 . 37
Kew†	65	7 / 22	—	—	—	—	11	157	0	SW.	8	20th 13h.	12	19th 22 . 28
South Kensington ..	92	30	—	—	—	—	1	167	0	SSW.	5	20th 13h.	11	20th 13 . 25
7. ENGLAND, N.W.														
Carnforth	56	23	—	—	—	—	37	127	4	NW. by W.	9	20th 15h.	15	20th 6 . 50
Southport	62	48	—	—	19, 20	26	65	77	0	W. by S.	15	20th 7h.	21	20th 7 . 3
Holyhead*	40	‡	—	—	19, 20, 24	18	87	63	0	WNW.	13	20th 6h.	18	20th 5 . 35
8. ENGLAND, S.W.														
Pendennis Castle* ..	65	24	—	—	20th	1	44	123	0	N.	11	20th 14h.	18	20th 9 . 10
Plymouth††	86	21	—	—	—	—	15	153	0	—	8	20th 15h.	15	20th 15 . 15
10. IRELAND, S.														
Quilty	40	‡	—	—	19, 20, 24	33	63	72	0	—	14	19th 24h.	21	20th 9 . 3
Weaver Pt.	30	‡	—	—	—	—	60	108	0	—	11	20th 9h.	17	20th 10 . 30
11. ENGLISH CHANNEL.														
Scilly*	32 / 19	‡	—	—	20th	5	30	131	2	NNW.	13	20th 8h.	18	20th 7 . 50

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 8th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting.
** Above tops of trees.
†† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

SIXTEENTH WEEK—April 18th to April 24th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Mean for the Week at M.S.L.
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	57	30	48·7	37·3	42·7	− 0·6	25	− 3	13	− 4	6	+ 2	1·61	41	+ 25	3·1	−1·6	22	1014
Eastern.																			
1. SCOTLAND, EAST ...	61	27	52·2	36·9	44·2	+ 0·5	37	+ 3	14	− 4	5	+ 2	0·48	12	+ 1	4·1	−0·7	29	1016
2. ENGLAND, N.E.	60	28	51·8	37·9	44·5	0·0	35	+ 3	11	− 1	2	− 2	0·12	3	− 6	4·6	−0·4	33	1020
3. ENGLAND, EAST ...	65	28	54·0	36·3	44·7	− 2·5	43	+ 1	16	+ 4	1	− 2	0·05	1	− 8	6·9	+1·7	50	1020
4. MIDLAND COUNTIES ...	62	27	52·8	36·7	44·4	− 1·4	39	− 4	15	+ 2	3	0	0·14	3	− 7	3·4	−1·4	24	1021
5. ENGLAND, S.E.	63	27	53·3	37·1	44·8	− 2·2	40	− 5	14	+ 7	2	− 1	0·13	4	− 6	6·6	+1·3	47	1020
Western.																			
6. SCOTLAND, WEST ...	62	29	51·6	38·4	44·7	− 0·4	31	− 2	10	− 1	5	+ 2	0·53	13	− 2	3·8	−1·4	27	1018
7. ENGLAND, N.W.	57	29	51·0	39·0	44·8	− 1·0	32	− 5	8	0	4	+ 1	0·47	12	+ 1	4·9	−0·2	35	1020
8. ENGLAND, S.W.	58	30	51·8	39·3	45·3	− 1·6	34	− 9	8	+ 2	3	0	0·20	5	− 9	4·4	−1·1	32	1021
9. IRELAND, NORTH ...	61	34	52·1	40·1	45·8	− 0·1	35	− 3	5	− 3	4	0	0·37	10	− 3	2·8	−2·0	20	1019
10. IRELAND, SOUTH ...	63	32	55·3	41·8	48·2	+ 0·9	44	0	1	− 4	3	− 1	0·24	6	− 9	3·6	−1·7	26	1022
11. ENGLISH CHANNEL ...	56	36	53·0	42·2	47·4	− 1·5	38	− 11	0	− 1	3	− 1	0·21	5	− 7	7·2	+0·8	53	1022

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 8 Weeks, February 28th to April 24th, 1915.

0. SCOTLAND, NORTH ...	57	23	46·2	35·3	40·6	*	114	− 10	182	− 39	43	+ 5	8·98	227	+ 48	2·9	− 0·7	24	1011
Eastern.																			
1. SCOTLAND, EAST ...	61	11	48·0	34·1	40·8	*	151	− 13	224	− 16	34	+ 3	3·68	94	− 4	4·0	+0·1	33	1012
2. ENGLAND, N.E.	64	20	49·6	36·0	42·5	*	205	+ 33	162	− 24	25	− 4	2·24	57	− 21	4·4	+0·1	36	1015
3. ENGLAND, EAST ...	65	22	49·7	36·1	42·6	*	213	− 12	156	− 41	24	− 4	2·46	63	− 8	4·3	−0·1	35	1015
4. MIDLAND COUNTIES ...	63	19	50·1	35·3	42·5	*	213	− 21	185	− 16	23	− 3	2·08	53	− 27	3·7	−0·2	30	1016
5. ENGLAND, S.E.	63	22	49·8	37·1	43·2	*	210	− 30	131	− 11	21	− 4	2·21	58	− 20	4·1	−0·2	34	1016
Western.																			
6. SCOTLAND, WEST ...	62	18	48·4	36·1	42·0	*	162	− 8	169	− 4	34	+ 3	4·95	124	− 25	4·2	+0·1	35	1014
7. ENGLAND, N.W.	60	22	48·4	37·3	42·7	*	166	− 18	133	− 19	30	+ 2	3·73	94	− 10	4·1	+0·2	34	1016
8. ENGLAND, S.W.	59	18	49·5	37·6	43·3	*	199	− 37	123	+ 5	24	− 4	2·73	69	− 51	4·0	−0·4	33	1018
9. IRELAND, NORTH ...	61	20	49·3	37·5	43·2	*	189	− 15	120	− 21	36	+ 1	3·48	89	− 31	3·4	−0·4	28	1016
10. IRELAND, SOUTH ...	63	21	50·8	38·6	44·5	*	243	− 14	97	− 9	29	− 2	2·91	75	− 57	4·0	−0·4	33	1019
11. ENGLISH CHANNEL ...	60	28	50·3	41·3	45·6	*	248	− 33	30	− 9	25	− 6	2·58	65	− 35	4·5	−0·8	37	1018

THE YEAR.—Aggregates, &c., for the Period of 15 Weeks, January 3rd to April 17th, 1915.

0. SCOTLAND, NORTH ...	57	12	44·3	34·4	39·3	*	147	− 31	442	− 73	86	+ 7	19·38	492	+ 58	2·1	−0·3	21	1005
Eastern.																			
1. SCOTLAND, EAST ...	61	11	44·8	32·9	38·8	*	172	− 53	553	− 23	70	+ 8	9·34	238	+ 27	2·8	−0·1	27	1006
2. ENGLAND, N.E.	64	20	46·4	35·2	40·7	*	247	+ 5	384	− 70	64	+ 6	7·30	185	+ 29	3·0	−0·1	29	1008
3. ENGLAND, EAST ...	65	18	46·8	35·5	41·1	*	273	− 29	373	−126	67	+10	8·07	205	+ 58	3·0	−0·2	29	1009
4. MIDLAND COUNTIES ...	63	19	47·1	34·5	40·8	*	285	− 39	431	− 70	58	+ 3	8·19	208	+ 32	2·8	−0·1	26	1010
5. ENGLAND, S.E.	63	15	47·5	36·4	41·9	*	311	− 32	318	− 54	57	+ 4	9·42	254	+ 75	3·0	−0·2	29	1010
Western.																			
6. SCOTLAND, WEST ...	62	18	45·8	35·0	40·4	*	203	− 47	408	+ 3	74	+ 7	14·48	367	+ 14	3·1	+0·3	30	1007
7. ENGLAND, N.W.	60	21	46·1	36·4	41·2	*	229	− 38	327	− 47	64	+ 3	11·42	289	+ 55	3·1	+0·3	30	1009
8. ENGLAND, S.W.	59	17	47·3	37·5	42·1	*	295	− 75	296	+ 3	66	+ 5	12·79	325	+ 45	3·1	−0·1	29	1011
9. IRELAND, NORTH ...	61	20	46·7	35·9	41·2	*	258	− 56	345	+ 12	77	+ 5	11·01	281	+ 10	2·6	−0·2	26	1007
10. IRELAND, SOUTH ...	63	21	48·2	37·1	42·6	*	341	− 81	284	+ 32	74	+ 9	12·40	318	+ 13	3·2	0·0	31	1011
11. ENGLISH CHANNEL ...	60	27	49·0	40·4	44·6	*	411	− 66	120	+ 11	70	+ 2	11·31	287	+ 52	3·6	−0·3	33	1012

W. N. SHAW, Director.
Meteorological Office, South Kensington, April 28th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 17. SEVENTEENTH WEEK, SUNDAY, APRIL 25TH. TO SATURDAY, MAY 1ST. 1915.

Price 6d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The weather was fair or bright until April 30th, when rain fell very generally, and although slight or moderate in most places, it was rather heavy locally; at Aberdovey on May 1st the measurement was 27 millimetres. At numerous stations, however, the total fall for the week was 1 millimetre or less, and at Margate and Rothesay there was no measurable quantity. Temperature exceeded the average in all districts, the greatest divergence being 3°·6 in Ireland South and the least 0°·2 in the English Channel. Early in the week frost was experienced in many places in Great Britain, but between April 28th and 30th the thermometer rose to 70° or slightly above over an extensive area, the highest value being 73° at Raunds and Fort William. Bright sunshine was above the normal except in Scotland North; in Ireland North, Scotland West and England North-West the mean daily duration was at least 8 hours, being about 3 hours per day in excess of the normal.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very unusual	Moderate
	Rainfall ...	Light	Moderate	Moderate	Light	Moderate	Very light	Light	Moderate	Light	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate

THE SEASON.

SPRING. 9 weeks from Feb. 28th, 1915.	Warmth ...	2, 7, 0	3, 4, 2	5, 3, 1	1, 7, 1	2, 5, 2	2, 6, 1	1, 6, 2	1, 7, 1	1, 7, 1	2, 5, 2	2, 5, 2	0, 7, 2
	Rainfall ...	3, 2, 4	3, 4, 2	1, 5, 3	2, 4, 3	0, 6, 3	1, 4, 4	2, 2, 5	3, 4, 2	1, 3, 5	1, 5, 3	1, 3, 5	1, 6, 2
	Sunshine ...	0, 6, 3	2, 7, 0	2, 6, 1	4, 3, 2	2, 4, 3	2, 5, 2	5, 1, 3	4, 4, 1	1, 7, 1	3, 3, 3	3, 3, 3	0, 6, 3

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, [illegible], 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, [illegible]	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4. 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, [illegible], 2	6, [illegible], 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

11.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, May 1st. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	44	43	43·7	−0·5	Cleggan	54	49	50·9	+2·5
Wick	43	42	42·3	−2·6					
					ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	44	42	43·2	+0·5
Ballantrae	50	46	47·9	+2·5					
					ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	47	46	46·9	+1·3
Scilly	54	50	52·3	—					
Plymouth‡	50	48	49·4	+0·4	ENGLAND, S.E.				
					Eastbourne‡	57	47	50·0	+2·4
IRELAND, N.W.									
Sheephaven	53	48	49·5	+1·6	ENGLAND, N.W.				
					Port Erin	53	45	47·3	+1·3

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4855-19.) Wt. 160—610. 450. 5/15. D & S. 4. 20/36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.			Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration	Grass Min.		Earth 1 ft.		Earth 4 ft.		
																Ground Frosts	Lowest Reading.	Mean	Difference from Average	Mear.	Difference from Average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
a, Islands.. *p* Baltasound	*51*	*26th*	*31*	*1st*	*47·8*	*39·5*	*43·5*	—	*6*	*0·30*	*8*	—	*2·2*		*14*							*Baltasound.*
a Lerwick	54	50	25th	34	1st	46·6	39·3	42·8	+ 0·4	2	0·28	7	—	0·7	- 4·5	5							Deerness.
a Stornoway	51	61	27th	32	29th	52·6	39·3	45·6	+ 1·5	2	0·16	4	- 12	4·9	- 0·7	33							Stornoway.
a Castlebay, Barra Isd.	*37*	*62*	*28th*	*37*	*1st*	*54·4*	*44·0*	*49·0*	+ *3·9*	2	*0·08*	*2*	—	*9·6*	—	*64*							*Castlebay.*
b, Mainland. *a* Wick	81	50	25, 26, 30	34	30th	47·3	37·3	42·1	- 2·1	3	0·31	8	- 3										
p Strathpeffer	200	65	29th	37	1st	58·6	40·0	48·9	+ 4·2	2	0·36	9	- 2	6·1	+ 1·1	41							Strathpeffer.
p Glencarron	500	66	28th	32	1st	58·7	37·4	47·5	+ 3·8	2	0·39	10	- 19										
p Fort Augustus	68	69	29th	35	25th	54·3	40·1	46·9	+ 2·0	1	0·15	4	- 9	5·8	+ 1·8	39							Fort Augustus.
p Fort William	171	73	28th	38	25, 30, 1	63·4	39·1	50·7	+ 4·7	2	0·06	2	- 20										
1. SCOTLAND, E.																						
p Gordon Castle	101	60	29th	33	28th	53·4	38·0	45·3	+ 0·2	2	0·58	15	+ 6	5·9	—	40	2	22	46·9	+2·8	43·5	+0·7	Crathes.
a Nairn	82	60	25, 28	35	25th	53·4	39·3	46·0	+ 1·0	3	0·20	5	- 4	*5·1*	—	*34*							*Gordon Castle.*
a Aberdeen	46	63	28th	32	28th	51·1	38·9	44·7	- 0·1	2	0·31	8	- 4	5·6	—	38							Nairn.
a Balmoral	930	69	29th	28	29th	59·4	31·6	44·8	+ 3·0	2	0·29	7	- 8	5·0	- 0·5	34					43·4	+0·5	Aberdeen.
p Crieff	432	68	29th	32	28th	59·3	35·9	47·0	+ 0·9	2	0·42	11	- 2				6	25					Balmoral.
														5·1	—	35							Balruddery.
a Leith	18	60	28th	39	29, 30	51·0	41·0	45·8	- 0·5	3	0·24	6	- 2										
a West Linton	769	67	29th	30	30th	56·4	37·0	46·2	+ 4·2	3	0·22	6	—	*5·7*	—	*39*	4	23					*West Linton.*
p Marchmont	498	65	29th	35	28, 29	56·6	37·4	46·5	+ 2·5	4	0·30	8	- 5	6·4	+ 1·4	44	4	28					Marchmont.
a Edinburgh	*441*	*68*	*28, 29*	*37*	*29th*	*51·6*	*39·1*	*45·1*	—	*3*	*0·21*	*5*	—	5·2	—	36	0	32					Edinburgh.
6. *a*, SCOTLAND, W.																						
a Poltalloch	132																					
p Glasgow Observatory	189	66	28, 29	39	28th	58·6	41·7	49·7	+ 3·3	2	0·06	2	- 11	6·7	+ 2·1	46	0	33					Glasgow.
p Rothesay‡	170	64	28th	40	28, 1	58·3	41·1	49·3	+ 2·7	0	0·00	0	- 17	*9·0*	—	*62*	0	34	50·1		46·4	+1·6	*Rothesay.*
a Kilmarnock	90	69	28th	35	25, 28, 29	61·0	38·9	49·4	+ 3·3	1	0·01	0·3	—	*8·7*	—	*60*							*Kilmarnock.*
a Colmonell	170	68	28th	35	29th	60·7	39·6	49·7	+ 3·2	1	0·23	6	- 8				3	29					
a Dumfries	160	67	28, 29	38	27–29	58·4	40·1	48·8	+ 2·1	2	0·32	8	- 5	*7·6*	—	*52*	2	29	48·3		45·8		*Dumfries.*
Eskdalemuir	*799*	*65*	*29th*	*30*	*30th*	*55·1*	*35·6*	*44·9*	—	*2*	*0·31*	*8*	—	*7·0*	—	*48*							*Eskdalemuir.*
p Cally, Gatehouse	120	67	29th	35	29th	59·6	39·4	49·0	+ 2·8	1	0·50	13	- 5										
b, I. OF MAN. *p* Douglas	277	63	28, 29	39	26th	57·1	43·0	49·7	+ 3·5	2	0·20	5	- 10	9·5	+ 3·1	65	0	31					Douglas.
2. ENGLAND, N.E.																						
a, North. *a* Alnwick Castle	219	61	30th	32	29th	52·6	38·9	45·4	+ 0·8	4	0·37	9	- 2	7·0	—	48	3	24	47·2	+3·6	45·0	+1·5	Cockle Park.
a Tynemouth	71	58	30th	36	29th	50·6	40·4	45·3	+ 0·1	3	0·28	7	- 2										*Tynemouth.*
p Durham	336	66	30th	30	29th	54·7	37·6	45·7	+ 0·9	2	0·17	4	- 5	6·7	+ 1·9	46	1	26					Durham.
p Rounton	249	69	30th	27	29th	56·7	37·6	46·7	+ 2·0	2	0·30	8	- 1				1	30	46·8				Rounton.
a West Witton	*605*	*66*	*29, 30*	*33*	*29th*	*56·6*	*38·7*	*47·2*	—	*2*	*0·09*	*2*	—				2	26	46·0		42·6		*West Witton.*
p Scarborough	100	72	30th	40	25, 29	55·4	43·0	48·9	+ 3·3	3	0·17	4	- 7	6·8	—	47					45·4†		Scarborough.
p York	56	67	29th	34	29th	60·1	40·0	49·6	+ 2·4	2	0·32	8	- 2	7·8	+ 2·9	53			47·3	+1·1	45·3	+0·6	York.
b, South. *a* Spurn Head	26	70	30th	40	25, 27	54·9	42·1	48·2	+ 1·9	2	0·71	18	+ 11	*7·6*	—	*53*							*Spurn Head.*
a Lincoln	58	71	30th	37	25, 29	61·1	41·1	50·6	+ 3·2	4	0·54	14	+ 5						49·4	+3·2	45·4	+0·7	Lincoln.
a Fulbeck	180	71	30th	32	29th	60·6	39·3	49·4	+ 2·1	2	0·41	10	+ 1	8·7	—	60	3	26	49·9	+0·5	46·1	+0·1	Ranceby.
														8·4	—	58							Skegness.
3. ENGLAND, E.																						
a, North. *p* Cromer	196	71	30th	37	30th	55·1	42·3	48·4	—	3	0·28	7	—	6·7	—	47							Cromer.
p Little Massingham	280	69	30th	35	25, 30	58·7	39·4	48·6	+ 1·5	2	0·23	6	- 4	7·4	+ 1·8	51	3	27					Lit. Massingham
a Yarmouth	17	67	1st	39	30th	53·7	42·0	47·6	+ 1·7	1	0·04	1	- 8	6·1	—	43			50·0	-0·2	48·3	-0·1	Yarmouth.
a Norwich	93	70	30th	37	29, 30	59·4	41·4	50·0	+ 3·5	2	0·16	4	—	*7·0*	—	*49*	0	32	48·4				*Norwich.*
a Geldeston	37	68	1st	37	30th	58·0	41·4	49·3	+ 2·3	2	0·05	1	- 8	6·7	+ 0·9	47							Geldeston.
a, East. *p* Cambridge	41	69	30th	34	25th	62·1	40·1	50·6	+ 2·6	1	0·09	2	- 7	7·6	+ 1·9	53	2	28	48·9	+0·4	47·2	0·0	Cambridge.
a Clacton-on-Sea	54	59	1st	40	25th	53·3	42·1	47·4	+ 0·6	2	0·28	7	—	6·4	—	45	0	34	48·2	0·0	48·0	+0·1	Clacton.
a Rothamsted	424	68	28, 30	34	30th	60·7	39·1	49·4	+ 2·4	2	0·07	2	- 8	7·4	+ 2·0	52	3	28	46·9				Rothamsted.
p Tottenham	51	71	30th	39	25th	62·3	43·3	52·3	+ 4·0	2	0·07	2	—	6·9	—	45	0	35			47·3	+0·3	Tottenham.
4. MIDLAND COUNTIES.																						
a North. *a* Harrogate	479	66	30th	34	29th	57·0	39·0	47·6	+ 2·2	2	0·22	6	- 5	7·6	—	52	2	23	45·9	+1·6	45·3	+1·2	Harrogate.
p Buxton	*987*	*66*	*30th*	*32*	*25th*	*57·1*	*37·7*	*46·9*	+ *3·1*	*2*	*0·72*	*18*	+ *1*	*7·8*	—	*54*	2	28	45·1	-0·1	42·5	-0·8	*Buxton.*
														6·8	—	47	1	27	45·6	+0·2	43·8	+0·3	Sheffield.
a Bawtry	65	73	30th	31	29th	62·3	38·4	49·8	+ 2·5	3	0·34	9	0	7·0	+ 2·3	49	2	24	47·5		45·9		Worksop.
a Nottingham	82	70	30th	33	25th	60·6	39·1	49·3	+ 2·1	2	0·51	13	+ 4	8·0	—	56	1	30	48·2	+1·9	44·0	-0·2	Nottingham.
p Birmingham, Edgbsn.	535	70	30th	36	25th	60·9	41·6	50·8	+ 3·6	1	0·26	7	- 4	7·2	—	50	0	31	45·3	+0·5	44·7	+0·2	Birmingham.
a Raunds	203	73	30th	32	25th	63·0	38·4	50·1	+ 2·9	1	0·23	6	—	*8·0*	—	*56*	3	26	47·6		45·7		*Raunds.*
p Oxford	208	72	30th	33	25th	63·1	41·0	51·5	+ 3·3	2	0·13	3	- 6	8·0	+ 2·6	56	1	27					Oxford.
c, West. *a* Cheadle	646	71	30th	35	25–27	61·0	36·7	48·3	+ 2·4	2	0·52	13	+ 1										Cheadle.
p Shrewsbury	191	71	30th	31	29th	62·6	39·3	50·4	+ 2·2	2	0·43	11	—				2	27					Shrewsbury.
a Hereford§	291	69	29, 30	33	25th	63·0	39·6	50·7	+ 2·5	1	0·18	5	- 6	7·9	—	55	2	26	48·3		46·4		*Malvern.*§
a Cirencester	446	68	29th	32	25th	61·5	38·9	49·7	+ 3·0	1	0·09	2	- 9	7·9	+ 2·2	55	0	32	46·9		45·5		Cirencester.
a Bath	66	70	28–30	32	25th	64·0	40·4	51·6	+ 3·1	2	0·08	2	- 9	8·2	—	57			50·2	+1·1	47·5	-0·3	Bath.
5. ENGLAND, S.E.																						
a Marlborough	424	69	30th	32	25th	61·7	39·4	50·0	+ 3·4	2	0·06	2	- 9	7·9	—	56	0	32	50·3	+0·9	48·0	+0·6	Worthing.
a Margate	53	66	1st	41	30th	53·7	43·0	48·1	+ 0·1	0	0·00	0	- 8	7·5	+ 2·4	53	0	31	49·5		48·0		Marlborough.
a Wisley, Surrey	150	71	30th	34	25th	61·3	40·1	50·2	+ 1·2	2	0·15	4	—	5·2	- 0·3	36	0	41	48·7	+1·1	47·9	+1·6	Margate.
p Salisbury (Wilton)	180	72	29th	32	25, 26	63·4	38·4	50·3	+ 1·7	1	0·02	1	- 12	6·6	—	46	3	22	47·8	0·0	45·9	-0·9	Wisley.
a Tunbridge Wells	354	66	30th	37	25th	59·6	40·9	49·8	+ 2·4	1	0·04	1	- 9				1	29	50·0				Salisbury.
														7·3	+ 1·5	51	1	29	48·1	-0·2	46·6		Tunbridge Wells.
a Dungeness	21	58	28th	41	25th	52·4	43·3	47·6	+ 0·1	2	0·08	2	- 6										
p Hastings	178	65	28th	40	25th	56·6	43·1	49·5	+ 1·4	1	0·05	1	- 8	8·4	+ 2·2	60	0	34	49·3		47·1		Littlestone.
p Southampton	64	71	28th	37	25th	61·3	43·3	51·9	+ 2·0	2	0·06	2	- 9	7·3	+ 1·3	51	1	27					*Hastings.*
a Ventnor	59	68	28th	40	25th	58·9	45·3	51·8	+ 2·1	1	0·02	1	- 8	8·3	+ 1·9	59							Southampton.
LONDON. *p* Kew	18	70	30th	37	25th	61·2	42·4	51·4	+ 3·0	2	0·12	3	- 6	6·7	+ 1·3	47	2	28	48·2	0·0	46·8	+0·1	Ventnor.
a Westminster	*27*	*71*	*30th*	*40*	*25th*	*61·5*	*43·8*	*52·2*	+ *3·4*	*2*	*0·20*	*5*	- *3*	*6·3*	+ *2·0*	*44*	0	35					Kew.
a Greenwich	*155*	*72*	*30th*	*38*	*25th*	*61·9*	*41·7*	*51·3*	+ *2·6*	*2*	*0·22*	*6*	- *2*	*6·8*	+ *1·5*	*48*	3	24					*Westminster.*
a Hampstead	*450*	*70*	*30th*	*35*	*25th*	*60·1*	*39·9*	*49·5*	—	*2*	*0·20*	*5*	—	*6·7*	—	*47*	3	24					*Greenwich.*
a Camden Square	*110*	*73*	*30th*	*38*	*25th*	*65·0*	*42·7*	*53·3*	—	*2*	*0·11*	*3*	—	*6·3*	—	*44*	0	33					*Hampstead.*
7. *a*, ENGLAND, N.W.																						*Camden Square.*
p Aspatria	250	67	28th	36	25, 26	58·0	38·4	47·7	+ 2·2	2	0·44	11	- 2	5·7	—	40							Hoylake.
p Newton Rigg	559	69	29th	31	26th	58·7	36·1	46·9	+ 2·1	2	0·25	6	- 7	8·6		*59*	1	29	48·5		45·6		Aspatria.
p Stonyhurst	375	65	29th	38	26th	57·1	41·1	48·7	+ 2·7	2	0·76	19	+ 3	9·6	+ 4·2	66	5	24	48·7	+3·3	44·8	+1·3	Newton Rigg.
p Blackpool	66	68	29th	34	26th	60·3	39·4	49·4	+ 2·7	2	0·63	16	+ 5	8·5	+ 3·1	59	5	27					Stonyhurst
a Southport	*37*	*71*	*29th*	*37*	*26, 29*	*60·1*	*41·3*	*50·3*	+ *3·6*	*2*	*0·46*	*12*	+ *1*	8·2	+ 2·6	57	3	29	49·6		46·6		Blackpool.
a Liverpool (Bidston)	188	68	29th	40	27th	59·0	42·7	50·5	+ 3·3	2	0·47	12	+ 2	*7·3*	*+ 1·3*	*50*	2	28	50·2	+1·5	48·5	+1·6	*Southport.*
a Hawarden Bridge	*22*	*68*	*28, 29*	*37*	*29th*	*60·1*	*42·6*	*50·9*	+ *2·4*	*2*	*0·61*	*16*	+ *8*	*6·0*		*42*							*Liverpool.*
p Manchester (Whit. Pk.)	125	70	29th	39	29th	60·6	42·6	b1·2	+ 3·1	2	0·39	10	- 1	*6·9*		*48*	0	35	47·3	+2·0	46·1	+0·9	*Manchester (City)*
														6·7	+ *2·7*	*47*							" (Whit. Park).
b‡ NORTH WALES.																						
p Llandudno	71	70	29th	38	29th	57·4	40·4	48·5	+ 0·7	2	0·53	13	+ 3	7·8	+ 2·2	54							Llandudno.
a Holyhead	15	65	29th	42	26th	55·9	44·4	49·9	+ 2·6	2	0·51	13	+ 1	*8·5*	—	*59*							*Holyhead.*
p Bettws-y-Coed	*148*	*72*	*29th*	*35*	*28th*	*59·3*	*40·3*	*49·3*	+ *1·7*	*2*	*0·33*	*8*	—	*6·9*	—	*48*			46·9	+0·9	46·0	+0·7	*Bettws-y-Coed.*
														7·3	—	51							Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES													7·4	—	52							
a Llangammarch Wells	550																					Aberystwyth.
a Pembroke	149	63	28th	44	25, 26	55·1	44·9	49·8	+ 2·5	3	0·39	10	− 1	6·8	+ 0·5	48						Llangammarch.
p Cardiff	202	68	28, 29	34	25th	59·9	41·7	50·4	+ 1·1	2	0·23	6	− 8	7·7	—	*54*	1	28	48·5	+1·0	46·4	+0·4	Pembroke. *Cardiff.*
b, ENGLAND S.W.																						
a Clifton	229	72	29th	34	25th	64·0	42·1	52·5	+ 3·4	1	0·13	3	− 10	*8·1*	—	*57*	1	?30					*Clifton.*
a Shaftesbury	722	68	29, 30	31	25th	59·4	38·7	48·6	+ 1·7	2	0·16	4	− 9						48·2		46·9		Shaftesbury.
a Arlington	613	68	28th	35	25th	60·7	42·0	50·9	+ 4·4	2	0·38	10	− 7										Arlington.
a Newquay	*190*	*69*	*28th*	*39*	*25th*	*58·4*	*44·7*	*51·2*	+ *2·4*	*2*	*0·16*	*4*	− 7	*8·7*	+ 2·6	62	0	35	51·3		48·8		Newquay.
a Cullompton	202	70	28, 30	34	25th	63·4	41·4	51·9	+ 3·6	2	0·07	2	− 11	8·2	+ 2·7	58	2	29	50·9				Cullompton.
a Portland Bill	19	61	28th	39	25th	51·6	43·1	48·6	+ 0·2	1	0·08	2	—	*7·9*	—	*56*							*Weymouth.*
p Plymouth	116	68	28th	39	25th	58·9	46·0	52·1	+ 2·7	2	0·05	1	− 12	7·4	+ 1·3	53	0	34	51·4	+1·4			Plymouth.
a Falmouth	167	63	28th	41	25th	55·7	45·4	50·3	+ 1·5	3	0·08	2	− 12	5·3	− 1·2	38	0	35	52·7		50·2		Falmouth.
9. IRELAND. N.																						
a, West .. { *a* Malin Head	208	58	29th	43	27, 1	52·6	45·1	48·7	+ 2·4	1	0·04	1	− 10	*8·6*		*59*							*Malin Head.*
a Blacksod Point ..	?	66	29th	44	25, 26, 28	57·0	45·1	50·8	+ 3·0	1	0·04	1	− 16										
p Markree Castle ..	122	67	29th	37	29th	62·0	40·4	50·7	+ 4·1	1	0·35	9	− 6	7·3	+ 2·1	50	1	29	51·6		47·0		Markree Castle.
a Birr Castle	175	69	29th	37	29th	60·6	43·0	51·4	+ 4·1	2	0·39	10	− 3	*8·1*	+ *2·7*	*56*							*Birr Castle.*
b, East .. { *p* Armagh	196	65	29th	37	28th	58·9	41·6	49·8	+ 3·1	1	0·39	10	− 3	8·6	+ 3·3	59	2	29	50·6	+3·0	47·2	+0·9	Armagh.
a Donaghadee	101	60	30th	43	27-29	54·3	44·3	49·1	+ 2·5	2	0·35	9	− 3				0	33	51·3	+3·1	48·0	+0·8	Trinity Coll.
														8·3	+ 2·5	58	0	31					Phœnix Park.
10. IRELAND. S.																	0	40					Dublin City.
a, East .. { *p* Dublin, City	47	59	28, 29	44	26, 27	55·9	45·6	50·5	+ 1·7	2	0·31	8	− 3										
a Kilkenny	212	67	28th	38	26th	60·1	43·9	51·6	+ 3·9	2	0·39	10	− 3										
a Waterford	30	67	28th	42	26th	59·0	45·7	52·0	+ 4·3	2	0·39	10	− 3										
a Seskin, Carrick-on-Suir	*541*	*65*	*28th*	*38*	*26th*	*58·3*	*43·1*	*50·3*	—	*2*	*0·45*	*11*	—	*7·7*	—	*54*	0	32					*Seskin.*
a Birr Castle	175	69	29th	37	29th	60·6	43·0	51·4	+ 4·1	2	0·39	10	− 3	8·1	+ 2·7	56							Birr Castle.
a Foynes	50	67	28th	43	28th	59·6	45·9	52·4	+ 4·0	1	0·28	7	− 7										
a Cahir	198	68	28th	39	29th	60·9	44·7	52·4	+ 5·1	2	0·85	22	—										
b, West .. { *a* Killarney	174	71	28th	38	26th	62·7	45·3	53·6	+ 5·3	2	0·17	4	− 15										
a Valencia	30	69	28th	38	27th	60·7	45·6	52·8	+ 3·8	1	0·20	5	− 16	6·8	+ 1·1	43							Valencia.
a Roche's Point	32	63	28th	42	26th	55·9	46·3	50·9	+ 2·2	2	0·55	14	− 1	6·5	—	46							Ballinacurra.
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	58	28th	45	26, 27	53·7	46·7	50·0	+ 0·5	2	0·31	8	− 3	5·8	− 0·6	41							Scilly.
a Jersey, St. Aubins ..	25	65	28th	40	1st	57·1	44·0	50·2	+ 0·1	3	0·12	3	− 9	7·9	+ 1·1	58							St. Heliers.
a Guernsey (Villa Carey)	180	65	1st	40	25th	57·7	43·1	50·1	+ 0·3	2	0·14	4	− 9	7·4	+ 0·3	53	0	35	51·6	+1·6	50·0	+1·2	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, May 1st, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds forces 4 and 5. Duration.	Calms and Light Airs. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Highest Hourly Wind. Date and Hour.	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	m/s.		m/s. d. h. m.
1. SCOTLAND, E.												
Dyce	75	15**	—	—	—	—	9	104	55	NE. by N. 7	1st 3h.	12 1st 3 . 4
Aberdeen*	105	37	—	—	—	—	7	161	0	NE. 8	1st 3h.	11 1st 3 . 20
		52										
Edinburgh	39	31	—	—	—	—	—	168	0	ENE. 5	26th 9h.	9 26th 9 . 10
6. SCOTLAND, W.												
Eskdalemuir ..	50	22	—	—	26, 27	3	56	109	0	NE. 12	26th 16h.	16 26th 16 . 18
Paisley (Coats Obs.)	81	52	—	—	—	—	4	161	3	WSW. 6	30th 12h.	15 30th 11 . 38
2. ENGLAND, N.E.												
Alnwick Castle ..	70	17	—	—	—	—	3	165	0	N. by E. 6	27th 14h.	11 27th 14 . 20
South Shields ..	61	12	—	—	—	—	12	154	2	N. by E. 9	27th 12h.	14 27th 12 . 20
Spurn Head	40	‡	—	—	27th	1	73	94	0	N. 11	27th 12h.	14 27th 11 . 42
3. ENGLAND, E.												
Gorleston	42	‡	—	—	25th	10	105	53	0	— 12	25th 10h.	16 25th 10 . 35
Shoeburyness ..	90	‡	—	—	25, 28	6	100	53	0	NE. 12	28th 17h.	15 25th 9 . 58
4. MIDLAND COUNTIES.												
Benson	84	‡	—	—	—	—	90	78	0	N.E. 11	25th 14h.	18 25th 14 . 3
5. ENGLAND, S.E.												
Dover	40	‡	—	—	25 to 28	46	76	46	0	— 16	27th 3h.	22 27th 2 . 45
Warlingham ..	33	‡	—	—	—	—	61	107	0	— 8	28th 10h.	16 28th 9 . 58
Brighton	53	‡	—	—	27th	2	89	77	0	— 13	27th 6h.	20 27th 6 . 18
Kew†	65	7	—	—	—	—	70	98	0	E. 9	28th 15h.	14 25th 8 . 17
		22										
South Kensington ..	92	30	—	—	—	—	11	139	18	ENE. 7	25th 14h.	12 25th 17 . 5
7. ENGLAND, N.W.												
Carnforth	56	23	—	—	—	—	5	140	23	ENE. 9	27th 17h.	13 27th 16 . 32
Southport	62	48	—	—	27, 28, 1	5	83	89	0	SW. 12	1st 18h.	16 1st 12 . 43
Holyhead*	40	‡	—	—	25 to 28, 1	18	114	36	0	E. by N. 14	27th 22h.	17 28th 10 . 58
8. ENGLAND, S.W.												
Pendennis Castle* ..	65	24	—	—	25, 26, 28	19	69	80	0	ENE. 14	26th 5h.	17 26th 10 . 30
Plymouth††	86	21	—	—	—	—	34	131	3	— 9	28th 15h.	16 28th 15 . 35
10. IRELAND, S.												
Quilty	40	‡	—	—	25th	1	82	73	12	— 12	25th 1h.	16 25th 1 . 12
Weaver Pt.	30	‡	—	—	—	—	77	83	8	— 10	27th 11h.	16 27th 10 . 35
11. ENGLISH CHANNEL.												
Scilly*	32	‡	—	—	26th	2	62	104	0	E. 12	26th 12h.	17 26th 10 . 55
	19											

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting.
** Above tops of trees.
†† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperatur (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

SEVENTEENTH WEEK—April 25th to May 1st, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Pressure Mean for the Week at M.S.L.
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	73	32	54·5	38·9	46·4	+ 1·7	44	+ 11	9	− 3	2	− 2	0·24	6	− 11	4·4	−0·4	29	1025
Eastern.																			
1. SCOTLAND, EAST ...	69	28	55·1	37·4	45·8	+ 0·7	46	+ 8	13	0	3	− 1	0·32	8	− 4	5·5	+0·5	38	1024
2. ENGLAND, N.E.	72	27	56·3	40·0	47·8	+ 1·9	49	+ 12	6	− 2	3	− 1	0·36	9	0	7·6	+2·3	52	1024
3. ENGLAND, EAST ...	71	34	58·1	41·2	49·3	+ 2·1	54	+ 6	2	− 6	2	− 2	0·14	4	− 6	6·9	+1·3	48	1022
4. MIDLAND COUNTIES ...	73	31	61·7	39·3	50·0	+ 2·7	67	+ 18	8	− 3	2	− 2	0·27	7	− 4	7·6	+2·5	53	1022
5. ENGLAND, S.E.	72	32	59·0	41·9	50·1	+ 1·7	57	+ 7	0	− 4	1	− 3	0·06	2	− 10	7·2	+1·5	51	1020
Western.																			
6. SCOTLAND, WEST ...	69	35	59·1	40·5	49·4	+ 2·8	58	+ 17	4	− 3	1	− 3	0·19	5	− 12	8·1	+2·9	56	1024
7. ENGLAND, N.W.	70	31	58·4	40·6	49·1	+ 2·0	56	+ 14	4	− 1	2	− 2	0·50	13	0	8·0	+2·9	55	1022
8. ENGLAND, S.W.	72	31	59·1	42·8	50·6	+ 2·5	60	+ 13	0	− 3	2	− 2	0·17	4	− 12	7·3	+1·6	51	1021
9. IRELAND, NORTH ...	69	37	57·6	43·3	50·1	+ 3·1	57	+ 15	0	− 5	1	− 3	0·26	7	− 8	8·0	+3·0	55	1023
10. IRELAND, SOUTH ...	71	37	59·5	45·1	52·0	+ 3·6	70	+ 21	0	− 3	2	− 2	0·39	10	− 7	7·4	+2·1	52	1021
11. ENGLISH CHANNEL ...	65	40	56·2	44·6	50·1	+ 0·2	57	+ 2	0	0	2	− 2	0·29	5	− 8	7·0	+0·3	50	1019

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 9 Weeks, February 28th to May 1st, 1915.

0. SCOTLAND, NORTH ...	73	23	47·2	35·7	41·2	*	158	+ 1	191	− 42	45	+ 3	9·22	233	+ 37	3·1	−0·6	25	1012
Eastern.																			
1. SCOTLAND, EAST ...	69	11	48·8	34·5	41·4	*	197	− 5	237	− 16	37	+ 2	4·00	102	− 8	4·2	+0·2	34	1013
2. ENGLAND, N.E.	72	20	50·3	36·4	43·1	*	254	+ 45	168	− 26	28	− 5	2·60	66	− 21	4·8	+0·4	38	1016
3. ENGLAND, EAST ...	71	22	50·6	36·6	43·4	*	267	− 6	158	− 47	26	− 6	2·60	67	− 14	4·6	+0·1	37	1016
4. MIDLAND COUNTIES ...	73	19	51·4	35·8	43·3	*	280	− 3	193	− 19	25	− 5	2·35	60	− 31	4·2	+0·1	33	1017
5. ENGLAND, S.E.	72	22	50·8	37·6	44·0	*	267	− 23	131	− 15	22	− 7	2·27	60	− 30	4·5	0·0	36	1016
Western.																			
6. SCOTLAND, WEST ...	69	18	49·6	36·6	42·9	*	220	+ 9	173	− 7	35	0	5·14	129	− 37	4·7	+0·5	37	1015
7. ENGLAND, N.W.	70	22	49·5	37·7	43·4	*	222	− 4	137	− 20	32	0	4·23	107	− 10	4·5	+0·5	36	1017
8. ENGLAND, S.W.	72	18	50·5	38·1	44·1	*	259	− 24	124	+ 3	26	− 6	2·92	74	− 62	4·4	−0·2	35	1018
9. IRELAND, NORTH ...	69	20	50·3	38·1	44·0	*	246	0	120	− 26	37	− 2	3·68	95	− 40	3·9	−0·1	31	1016
10. IRELAND, SOUTH ...	71	21	51·8	39·3	45·3	*	313	+ 7	97	− 12	31	− 4	3·30	85	− 64	4·4	−0·1	35	1019
11. ENGLISH CHANNEL ...	65	28	50·9	41·6	46·1	*	305	− 31	30	− 9	27	− 8	2·90	70	− 43	4·9	−0·5	39	1018

THE YEAR.—Aggregates, &c., for the Period of 17 Weeks, January 3rd to May 1st, 1915.

0. SCOTLAND, NORTH ...	73	12	44·9	34·7	39·7	*	191	− 20	451	− 76	88	+ 5	19·62	498	+ 47	2·2	−0·4	21	1006
Eastern.																			
1. SCOTLAND, EAST ...	69	11	45·4	33·2	39·2	*	218	− 45	566	− 23	73	+ 7	9·66	246	+ 23	2·9	−0·1	28	1007
2. ENGLAND, N.E.	72	20	47·0	35·5	41·1	*	296	+ 17	390	− 72	67	+ 5	7·66	194	+ 29	3·3	+0·1	31	1009
3. ENGLAND, EAST ...	71	18	47·5	35·8	41·5	*	327	− 23	375	−132	69	+ 8	8·21	209	+ 52	3·2	−0·2	30	1010
4. MIDLAND COUNTIES ...	73	19	48·0	34·8	41·3	*	352	− 21	439	− 73	60	+ 1	8·46	215	+ 28	3·0	0·0	29	1011
5. ENGLAND, S.E.	72	15	48·2	36·7	42·4	*	368	− 25	318	− 58	58	+ 1	9·98	256	+ 65	3·3	0·0	30	1011
Western.																			
6. SCOTLAND, WEST ...	69	18	46·6	35·4	40·9	*	261	− 30	412	0	75	+ 4	14·67	372	+ 2	3·4	+0·4	32	1008
7. ENGLAND, N.W.	70	21	46·9	36·6	41·7	*	285	− 24	331	− 48	66	+ 1	11·92	302	+ 55	3·4	+0·5	32	1010
8. ENGLAND, S.W.	72	17	48·0	37·8	42·5	*	355	− 62	297	+ 1	68	+ 3	12·98	330	+ 34	3·3	−0·1	31	1011
9. IRELAND, NORTH ...	69	20	47·4	36·3	41·8	*	315	− 41	345	+ 7	78	+ 2	11·21	287	+ 1	3·0	+0·1	28	1008
10. IRELAND, SOUTH ...	71	21	48·9	37·6	43·2	*	411	− 60	284	+ 29	76	+ 7	12·79	328	+ 6	3·5	+0·2	32	1011
11. ENGLISH CHANNEL ...	65	27	49·4	40·6	45·0	*	468	− 64	120	+ 11	72	0	11·63	292	+ 44	3·8	−0·3	35	1012

W. N. SHAW, Director.
Meteorological Office, South Kensington, May 5th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 18. EIGHTEENTH WEEK, SUNDAY, MAY 2ND, TO SATURDAY, MAY 8TH, 1915.

Price 6d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

After some rain in most places early in the week the weather became fine and dry, but thunderstorms occurred over a considerable area in England and locally in Scotland on the 5th or 6th, and again at some English and Welsh stations on the 7th. The accompanying rainfall was not, as a rule, heavy, but in London, north of the river, the fall was unusually large on the 7th, and certain portions of the Underground railway were flooded. At Kew there was only 1 mm., but at Westminster the value was 21 mm., at Hampstead 20 mm., and at Camden Square 18 mm. In several parts of western Scotland, at Blacksod Point and at Wisley, the week was rainless, and in many other localities there was only 1 mm. or less. Temperature was low at first, and frost was recorded in nearly all districts on the 2nd and 3rd, but subsequently it became high for the time of the year, reaching a maximum of 75° in the Midland Counties, England South-East, and South-West, 74° in England East, and 72° in Ireland South. Bright sunshine was very abundant on several days; in the Hebrides the mean daily amount recorded was nearly 10 hours, and at several places in the north-west and near London more than 8 hours.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Unusual	Unusual	Very unusual	Unusual	Unusual	Very unusual	Moderate	Unusual	Unusual
	Rainfall ...	Very light	Light	Light	Light	Moderate	Light	Very light	Light	Moderate	Very light	Very light	Moderate
	Sunshine ...	Abundant	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Very scanty

THE SEASON.

SPRING, 10 weeks from Feb. 28th, 1915.	Warmth ...	2, 8, 0	3, 5, 2	5, 4, 1	2, 7, 1	3, 5, 2	3, 6, 1	2, 6, 2	2, 7, 1	2, 7, 1	2, 6, 2	3, 5, 2	1, 7, 2
	Rainfall ...	3, 2, 5	3, 4, 3	1, 5, 4	2, 4, 4	0, 7, 3	1, 4, 5	2, 2, 6	3, 4, 3	1, 4, 5	1, 5, 4	1, 3, 6	1, 7, 2
	Sunshine ...	1, 6, 3	2, 8, 0	2, 7, 1	5, 3, 2	2, 5, 3	2, 6, 2	5, 2, 3	5, 4, 1	1, 8, 1	3, 4, 3	3, 4, 3	0, 6, 4

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 9, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, May 8th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	52	49	50·8	+1·6
Wick	44	42	43·2	−2·3	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	46	44	44·9	+1·1
Ballantrae	51	45	48·0	+1·8	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	48	46	46·7	0·0
Scilly	55	53	54·1	—	ENGLAND, S.E.				
Plymouth‡	53	50	51·5	+2·3	Eastbourne‡	53	49	50·6	+1·8
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	53	46	49·5	+0·9	Port Erin	50	46	47·2	+0·6

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(4933—19.) Wt. 160—610. 450. 5/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
a, Islands.. *p Baltasound*	*31*	*55*	*6th*	*33*	*2,8*	*49·4*	*37·7*	*43·2*	—	*3*	*0·10*	*3*	—	*7·7*	—	*48*	•	•	•	•	•	•	*Baltasound.*
a Lerwick..	54	50	7th	33	2nd	47·0	38·0	42·2	- 0·9	3	0·24	6	—	•	•	•	•	•	•	•	•	•	Deerness.
a Stornoway	51	57	6th	31	3rd	52·4	37·6	44·6	- 0·2	2	0·05	1	- 15	8·4	+ 2·7	55	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*57*	*7th*	*35*	*2nd*	*51·7*	*41·6*	*46·4*	+ *0·7*	*1*	*0·04*	*1*	—	*9·8*	—	*64*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	52	6th	29	3rd	48·3	36·3	41·9	- 3·1	1	0·01	0·3	- 11	•	•	•	•	•	•	•	•	•	
b, Mainland. *p* Strathpeffer	200	67	6th	29	3rd	57·0	36·6	46·2	+ 0·4	0	0·00	0	- 11	6·5	+ 1·3	42	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500	62	6th	30	2,3	51·3	35·9	44·6	0·0	1	0·05	1	- 30	•	•	•	•	•	•	•	•	•	
p Fort Augustus..	68	67	6th	27	3rd	57·0	35·6	45·7	+ 0·1	0	0·00	0	- 13	5·3	+ 1·2	35	•	•	•	•	•	•	Fort Augustus
p Fort William	171	68	7th	30	3rd	59·0	38·0	47·9	+ 1·2	0	0·00	0	- 22	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.														5·2	—	34	3	22	47·0	+1·7	44·9	+1·3	Crathes.
p Gordon Castle..	101	64	6th	30	3rd	55·7	36·7	45·6	- 0·5	1	0·02	1	- 9	*7·8*	—	*51*	•	•	•	•	•	•	*Gordon Castle.*
a Nairn	82	64	6th	27	3rd	56·1	35·4	45·1	- 0·9	1	0·01	0·2	- 9	6·9	—	45	•	•	•	•	•	•	Nairn.
a Aberdeen	46	60	17th	31	3rd	52·6	39·0	45·4	- 0·3	3	0·09	2	- 10	6·6	+ 0·9	43	•	•	•	•	44·4	+1·0	Aberdeen.
a Balmoral	930	60	4th	23	3rd	56·7	31·3	43·2	+ 0·4	4	0·45	11	- 2	•	•	•	5	19	•	•	•	•	Balmoral.
p Crieff	432	65	7th	30	2nd	56·7	37·6	46·6	- 0·3	2	0·02	1	- 12	5·0	—	33	•	•	•	•	•	•	Balruddery.
a Leith	18	63	6th	33	4th	53·6	40·7	46·8	- 0·2	1	0·12	3	- 6	•	•	•	•	•	•	•	•	•	
a West Linton	769	64	6,7	29	3rd	55·1	36·1	45·0	+ 1·9	1	0·02	1	—	*5·2*	—	*34*	4	20	•	•	•	•	*West Linton.*
p Marchmont	498	67	6th	30	4th	55·0	38·1	46·0	+ 1·2	1	0·22	6	- 7	5·4	+ 0·2	36	3	23	•	•	•	•	Marchmont.
a Edinburgh	*441*	*61*	6th	*32*	*4th*	*52·4*	*39·6*	*45·6*	—	*2*	*0·14*	*4*	—	4·0	—	27	1	25	•	•	•	•	Edinburgh.
6. *a*, SCOTLAND, W.														•	•	•	•	•	•	•	•	•	
a Poltalloch	132													•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	66	6th	34	4th	58·0	41·4	49·2	+ 1·7	0	0·00	0	- 13	4·6	- 0·2	30	1	29	•	•	•	•	Glasgow.
p Rothesay‡	170	66	7th	35	2nd	57·6	41·0	48·8	+ 1·1	0	0·00	0	- 17	*8·4*	—	*56*	1	28	51·6	•	47·9	+2·6	*Rothesay.*
a Kilmarnock	90	64	6,7	32	2nd	59·1	39·3	48·6	+ 1·4	0	0·00	0	—	*6·9*	—	*48*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	64	6th	32	3rd	59·7	38·7	48·6	+ 1·1	1	0·02	1	- 13	•	•	•	1	27	•	•	•	•	
a Dumfries	160	68	7th	33	3,4	59·4	39·7	49·0	+ 1·3	2	0·28	7	- 7	*6·8*	—	*45*	3	25	50·2	•	47·4	•	*Dumfries.*
Eskdalemuir	*799*	*65*	*7th*	*27*	*3rd*	*55·3*	*36·0*	*45·1*	—	*2*	*0·09*	*2*	—	*5·8*	—	*38*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	65	7th	31	2nd	58·9	38·0	47·8	+ 0·6	0	0·00	0	- 18	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas	277	61	8th	39	2,3	55·6	43·1	49·0	+ 2·0	1	0·04	1	- 14	7·1	+ 0·4	47	1	29	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	62	7th	30	3rd	53·1	38·9	45·6	- 0·1	4	0·05	1	- 10	6·7	—	44	2	24	47·8	+2·9	46·2	+2·2	Cockle Park.
a Tynemouth	71	57	7th	35	3rd	50·9	42·1	46·2	+ 0·1	1	0·04	1	- 8	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham..	336	65	7th	26	3rd	54·7	37·6	45·6	- 0·2	3	0·09	2	- 8	6·1	+ 1·1	41	2	22	•	•	•	•	Durham.
a, North.. *p* Rounton..	249	68	7th	27	3rd	57·6	38·1	47·3	+ 1·1	3	0·07	2	- 7	•	•	•	2	25	49·5	•	•	•	Rounton.
a West Witton	*605*	*69*	*7th*	*29*	*3rd*	*57·9*	*39·1*	*47·9*	—	*2*	*0·13*	*3*	—	•	•	•	1	23	48·7	•	43·6	•	*West Witton.*
p Scarborough	100	61	7th	37	3rd	52·3	43·1	47·4	+ 0·8	2	0·15	4	- 6	6·8	—	45	•	•	•	•	46·1†	•	Scarborough.
p York	56	71	7th	32	3rd	60·4	41·4	50·3	+ 1·9	2	0·23	6	- 5	5·3	+ 0·2	35	•	•	49·4	+2·1	46·9	+1·4	York.
a Spurn Head	26	59	7th	36	3rd	52·6	43·7	47·9	+ 0·5	2	0·24	6	- 1	*6·0*	—	*40*	•	•	•	•	•	•	*Spurn Head.*
b, South.. *a* Lincoln	58	69	6th	34	3rd	60·4	43·1	51·2	+ 2·6	1	0·37	9	- 1	•	•	•	•	•	52·3	+5·1	47·4	+1·9	Lincoln.
a Fulbeck	180	70	7th	32	3,4	60·0	41·1	50·0	+ 1·7	1	0·34	9	- 1	7·6	—	51	1	28	53·5	+3·4	47·7	+0·9	Rauceby.
														7·8	—	52	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	64	6th	40	3rd	55·9	44·1	49·7	+ 3·0	1	0·01	0·2	—	7·1	—	48	•	•	•	•	•	•	Cromer.
p Little Massingham	280	73	7th	32	3rd	63·0	41·7	51·7	+ 3·5	2	0·03	1	- 9	7·4	+ 1·5	50	3	28	•	•	•	•	Lit. Massingham
a, North.. *a* Yarmouth	17	61	5th	42	3,5	53·9	44·4	48·9	+ 1·7	3	0·06	2	- 7	6·8	—	46	•	•	53·3	+2·2	49·6	+0·3	Yarmouth.
a Norwich	93	72	5th	33	3rd	61·3	43·6	51·9	+ 4·2	4	0·49	12	—	*7·1*	—	*48*	1	23	52·0	•	•	•	*Norwich.*
a Geldeston	37	72	5th	32	3rd	60·3	42·6	50·9	+ 2·9	2	0·05	1	- 9	6·4	+ 0·1	44	•	•	•	•	•	•	Geldeston.
p Cambridge	41	74	6th	31	3rd	64·7	43·3	53·4	+ 4·3	1	0·10	3	- 6	7·2	+ 1·2	49	1	25	53·2	+3·6	48·8	+0·8	Cambridge.
b, South.. *a* Clacton-on-Sea	54	69	7th	41	3rd	54·4	46·7	50·3	+ 2·4	2	0·02	0·4	—	7·9	—	54	0	33	51·2	+2·2	49·1	+0·5	Clacton.
a Rothamsted	424	71	6,7	35	3rd	63·7	44·0	53·3	+ 5·1	1	0·06	2	- 8	8·4	+ 2·7	57	1	27	51·8	•	•	•	Rothamsted.
p Tottenham	51	73	7th	38	3rd	65·9	46·7	55·7	+ 6·3	3	0·15	4	—	8·0	—	54	0	35	•	•	49·6	+1·8	Tottenham.
4. MIDLAND COUNTIES.																							
a North.. *a* Harrogate	479	67	7th	29	3rd	56·4	39·3	47·3	+ 0·9	2	0·08	2	- 10	5·5	—	37	2	20	47·9	+2·7	46·8	+2·1	Harrogate.
p Buxton	*987*	*67*	*7th*	*30*	*3rd*	*57·1*	*39·3*	*47·7*	+ *3·1*	*2*	*0·09*	*2*	- *15*	*5·1*	—	*34*	1	28	47·2	+0·7	43·5	-0·7	*Buxton.*
														4·9	—	33	1	25	48·8	+2·2	44·9	+0·7	Sheffield.
a Bawtry	65	71	7th	29	3rd	62·9	37·3	48·9	+ 0·6	1	0·24	6	- 3	5·6	+ 0·7	38	2	24	50·7	•	47·6	•	Worksop.
a Nottingham	82	70	6,7	31	3rd	61·0	41·6	50·7	+ 2·4	1	0·20	5	- 5	5·6	—	38	1	23	51·0	+3·3	45·9	+0·7	Nottingham.
b, East.. *p* Birmingham, Edgbsn.	535	70	6th	36	3rd	61·1	41·3	52·2	+ 4·0	2	0·09	2	- 9	6·1	—	41	0	31	48·3	+2·2	45·6	+0·8	Birmingham.
a Raunds	203	75	6th	32	3rd	64·0	42·0	52·3	+ 4·0	1	0·01	0·2	—	*7·0*	—	*48*	1	30	51·0	•	46·9	•	*Raunds.*
p Oxford	208	73	6th	35	3rd	65·0	45·6	51·7	+ 5·2	1	0·04	1	- 8	6·8	+ 1·1	46	1	30	•	•	•	•	Oxford.
a Cheadle	646	70	7th	29	3rd	61·3	40·3	50·2	+ 3·2	2	0·05	1	- 11	•	•	•	1	28	•	•	•	•	Cheadle.
p Shrewsbury	191	72	7th	37	3,4	62·0	42·6	51·7	+ 2·7	1	0·36	9	—	•	•	•	0	34	•	•	•	•	Shrewsbury.
c, West.. *a* Hereford§	291	73	7th	35	3rd	63·3	42·3	52·2	+ 3·0	3	0·82	21	+ 10	7·7	—	52	1	28	52·8	•	48·4	•	*Malvern.*§
a Cirencester	446	70	6,7	35	3rd	62·7	43·5	52·5	+ 4·8	2	0·06	2	- 9	6·9	+ 0·9	47	0	32	50·7	•	47·1	•	Cirencester.
a Bath	66	73	7th	41	3rd	65·4	45·9	55·1	+ 5·6	3	0·44	11	0	5·4	—	37	•	•	•	•	•	•	Bath.
5. ENGLAND, S.E.														7·6	—	52	0	36	53·7	+3·0	49·2	+0·9	Worthing.
a Marlborough	424	72	7,8	38	3rd	64·7	43·9	53·7	+ 6·1	1	0·04	1	- 10	5·5	+ 0·1	37	0	39	53·0	•	49·0	•	Marlborough.
a Margate	53	64	6th	43	3rd	55·1	46·1	50·3	+ 1·3	1	0·02	1	- 7	6·6	+ 0·8	45	0	39	53·5	+3·9	49·2	+2·2	Margate.
a Wisley, Surrey	150	75	6,7	37	3rd	66·7	44·6	55·0	+ 5·3	0	0·00	0	—	7·2	—	49	0	31	52·7	+3·6	47·7	+0·1	Wisley.
p Salisbury (Wilton)	180	75	8th	40	3rd	67·0	47·1	56·5	+ 6·9	1	0·09	2	- 11	•	•	•	0	37	54·6	•	•	•	Salisbury.
a Tunbridge Wells	354	73	6th	38	3rd	64·0	45·4	54·1	+ 5·6	2	0·14	4	- 6	7·3	+ 1·2	50	0	33	52·2	+2·5	48·3	•	Tunbridge Wells.
a Dungeness	21	62	7th	43	2,5	56·7	46·6	51·4	+ 2·9	2	0·28	7	0	—	—	—	•	•	•	•	•	•	Littlestone.
p Hastings..	178	69	7th	40	3rd	61·1	47·3	53·8	+ 4·6	2	0·19	5	- 4	7·6	+ 0·9	52	0	36	53·8	•	48·5	•	Hastings.
p Southampton	64	75	8th	42	3rd	65·4	49·1	56·8	+ 6·1	2	0·16	4	- 7	7·0	+ 0·7	48	0	37	•	•	•	•	Southampton.
a Ventnor	59	69	8th	44	3rd	61·1	47·9	54·1	+ 3·7	2	0·17	4	- 5	6·6	- 0·2	45	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	73	6th	41	3rd	65·3	47·1	55·7	+ 6·3	1	0·02	1	- 8	7·3	+ 1·5	50	0	33	52·5	+3·3	48·2	+0·6	Kew.
a Westminster	*27*	*74*	*6th*	*41*	*3rd*	*65·5*	*48·0*	*56·2*	+ *6·0*	*2*	*0·83*	*21*	+ *12*	*6·9*	+ *3·2*	*47*	0	37	•	•	•	•	*Westminster.*
a Greenwich	*155*	*74*	*6th*	*37*	*3rd*	*65·6*	*45·6*	*55·0*	+ *5·2*	*1*	*0·01*	*0·2*	- *8*	*6·9*	+ *1·4*	*47*	1	26	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*74*	*6th*	*36*	*3rd*	*64·1*	*44·6*	*53·8*	—	*1*	*0·77*	*20*	—	*8·0*	—	*54*	1	28	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*78*	*6th*	*38*	*3rd*	*69·3*	*47·0*	*57·5*	—	*2*	*0·73*	*19*	—	*6·6*	—	*45*	0	34	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.														7·1	—	48	•	•	•	•	•	•	Hoylake.
p Aspatria..	250	64	7th	34	2,4	57·9	39·9	48·4	+ 1·9	2	0·20	5	- 8	5·8	—	39	1	30	49·9	•	46·5	+2·2	Aspatria.
p Newton Rigg	559	68	7th	31	3,4	58·9	38·7	48·2	+ 2·4	2	0·14	4	- 9	6·1	+ 0·4	41	3	24	50·2	+3·7	46·2	•	Newton Rigg.
p Stonyhurst	375	63	5th	34	3rd	57·6	40·7	48·6	+ 1·7	2	0·28	7	- 9	7·0	+ 1·5	47	4	22	•	•	•	•	Stonyhurst.
p Blackpool	66	62	8th	36	3rd	56·6	41·6	48·7	+ 1·0	1	0·11	3	- 9	7·8	+ 1·9	52	0	31	50·4	•	47·4	•	Blackpool.
a Southport	*37*	*65*	*8th*	*37*	*3,4*	*58·0*	*42·9*	*50·0*	+ *2·3*	*2*	*0·22*	*6*	- *6*	*8·1*	+ *1·9*	*54*	0	31	51·7	+1·5	49·6	+1·5	*Southport.*
a Liverpool (Bidston)	188	64	5,8	39	4,5	57·4	43·0	49·8	+ 1·6	1	0·08	2	- 8	8·2	—	*55*	•	•	•	•	•	•	*Liverpool.*
a Hawarden Bridge	*22*	*69*	*8th*	*36*	*4th*	*58·7*	*43·6*	*50·7*	+ *1·3*	*1*	*0·27*	*7*	- *2*	*7·1*	—	*47*	0	35	50·8	+4·3	47·7	+1·7	*Manchester (City)*
p Manchester (Whit. Pk.)	125	69	7th	33	3rd	60·4	43·9	51·7	+ 2·2	4	0·58	15	+ 4	*6·0*	+ *1·6*	*40*	•	•	•	•	•	•	" (*Whit. Park*)
b, NORTH WALES.																							
p Llandudno	71													•	•	•	•	•	•	•	•	•	Llandudno.
a Holyhead	15	65	8th	41	3rd	57·9	44·1	50·6	+ 2·5	2	0·20	5	- 7	*7·8*	—	*52*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*71*	*8th*	*35*	*3rd*	*60·3*	*40·0*	*49·5*	+ *1·2*	*3*	*1·32*	*34*	—	*6·9*	—	*46*	•	•	47·9	+0·8	46·9	+1·0	*Bettws-y-Coed.*
														7·3	—	49	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average.	
	Ft.	°		°		°	°	°	°	•	in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														7·8	—	53	•	•	•	•	•	•	
a Llangammarch Wells	550	70	7th	36	6th	61·3	42·7	51·4	+ 4·4	3	0·85	22	—	7·0	—	48	0	31	50·2	+2·6	46·5	+0·6	Aberystwyth.
a Pembroke	149	71	8th	43	2, 4, 5	57·4	45·6	51·2	+ 3·0	3	0·87	22	+ 11	6·6	+ 0·1	45	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	71	7th	40	4th	62·1	46·7	53·9	+ 3·7	2	0·32	8	- 6	*6·5*	—	*44*	0	37	52·8	+3·6	48·0	+1·2	Pembroke.
																							Cardiff.
b, ENGLAND, S.W.																							
a Clifton	229	73	7, 8	42	3, 4	64·7	46·7	55·2	+ 5·3	3	0·25	6	- 7	*7·2*	—	*49*	0	40	•	•	•	•	*Clifton.*
a Shaftesbury	723	71	8th	37	3rd	63·4	44·1	53·2	+ 5·1	1	0·02	1	- 12	•	•	•	•	•	52·5	•	48·6	•	Shaftesbury.
a Arlington	613	72	7th	40	4th	62·0	45·6	53·3	+ 5·8	2	0·19	5	- 12	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*70*	*8th*	*44*	*4th*	*58·3*	*47·7*	*52·7*	*+ 3·1*	*2*	*0·44*	*11*	—	5·3	- 1·1	36	0	40	53·9	•	49·9	•	Newquay.
a Cullompton	202	75	7, 8	43	3, 4	65·4	47·3	55·8	+ 6·5	2	0·25	6	- 7	4·9	- 0·9	34	0	37	55·1	•	•	•	Cullompton.
a Portland Bill	19	62	6, 7	44	5th	55·9	47·4	51·4	+ 2·1	1	0·16	4	—	*6·0*	—	*41*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	71	7, 8	44	4th	61·7	49·3	55·1	+ 4·8	2	0·10	3	- 11	5·6	- 0·8	38	0	41	51·7	+0·3	•	•	Plymouth.
a Falmouth	167	67	7th	45	4th	59·9	49·1	54·2	+ 4·5	2	0·93	24	+ 14	4·2	- 2·7	29	0	43	55·0	•	51·6	•	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	59	6th	37	3rd	52·7	42·6	47·4	+ 0·4	1	0·04	1	- 11	*7·9*	•	*52*	•	•	•	•	•	•	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	60	5th	38	2nd	56·0	43·6	49·4	+ 0·9	0	0·00	0	- 16	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	65	8th	29	3, 4	59·6	39·0	48·7	+ 1·4	1	0·03	1	- 14	5·6	+ 0·1	37	3	27	51·8	•	48·1	•	Markree Castle.
a Birr Castle	175	67	7th	34	3rd	59·1	42·4	50·3	+ 2·2	1	0·04	1	- 12	*4·9*	*- 0·7*	*33*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	64	7th	30	3rd	57·0	38·9	47·4	- 0·1	1	0·03	1	- 12	4·9	- 0·5	33	2	23	50·3	+1·1	48·1	+0·9	Armagh.
a Donaghadee	101	62	6th	40	2, 3	53·1	42·7	47·6	+ 0·3	2	0·05	1	- 11	•	•	•	•	•	•	•	•	•	•
														•	•	•	2	25	51·6	+2·2	48·9	+0·9	Trinity Coll.
10. IRELAND, S.														5·6	- 0·5	38	3	25	•	•	•	•	Phœnix Park.
p Dublin, City	47	64	7th	38	2nd	56·4	45·1	50·4	+ 0·6	2	0·04	1	- 10	•	•	•	0	34	•	•	•	•	Dublin City.
a, East .. *a* Kilkenny	212	66	7, 8	36	3rd	59·4	43·0	50·7	+ 2·3	3	0·19	5	- 8	•	•	•	•	•	•	•	•	•	•
a Waterford	30	72	8th	39	2nd	60·3	43·9	51·6	+ 2·9	3	0·20	5	- 8	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*67*	*8th*	*36*	*2nd*	*57·0*	*42·3*	*49·2*	—	*3*	*0·23*	*6*	—	*6·4*	—	*44*	1	28	•	•	•	•	*Seskin.*
a Birr Castle	175	67	7th	34	3rd	59·1	42·4	50·3	+ 2·2	1	0·04	1	- 12	4·9	- 0·7	33	•	•	•	•	•	•	Birr Castle.
a Foynes	50	63	7th	36	3rd	58·1	45·7	51·5	+ 2·2	1	0·14	4	- 9	•	•	•	•	•	•	•	•	•	•
a Cahir	199	68	7th	36	2nd	60·9	44·4	52·2	+ 3·8	3	0·14	4	—	•	•	•	•	•	•	•	•	•	•
b, West .. *a* Killarney	174	71	8th	41	3rd	61·7	46·1	53·4	+ 4·5	2	0·04	1	- 17	•	•	•	•	•	•	•	•	•	•
a Valencia	30	68	8th	46	3rd	58·7	48·9	53·5	+ 3·8	3	0·20	5	- 15	3·2	- 2·8	22	•	•	•	•	•	•	Valencia.
a Roche's Point	32	69	8th	42	3rd	56·1	45·1	50·3	+ 0·5	4	0·25	6	- 9	5·6	—	38	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	62	8th	47	3, 4	56·6	49·3	52·7	+ 2·5	3	0·17	4	- 6	3·1	- 3·7	21	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	69	6, 7	44	2nd	62·1	49·1	55·2	+ 4·4	4	0·43	11	- 1	5·1	- 2·0	35	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	68	6th	45	4th	59·9	48·0	53·6	+ 3·0	3	0·71	18	+ 5	4·1	- 3·5	28	0	45	55·3	+4·0	51·3	+1·9	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, May 8th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.							Extreme Velocities.			
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.	
	ft.	ft.		hr.		hr.	hr.	hr.	hr.		m/s.		m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	15**	—	—	—	—	21	147	0	SSE.	7	4th 12h.	15 2nd 10 . 40
Aberdeen*	105	37 / 52	—	—	—	—	31	137	0	SE. by S.	9	4th 13h.	16 2nd 10 . 59
Edinburgh	39	31	—	—	—	—	8	160	0	S. by E.	6	3rd 22h.	12 8th 10 . 7
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	—	—	46	122	0	NE.	10	8th 17h.	15 8th 17 . 8
Paisley (Coats Obs.)	81	52	—	—	—	—	13	155	0	E. by S.	7	8th 16h.	14 8th 15 . 40
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	9	159	0	SE.	7	4th 12h.	11 4th 10 . 10
South Shields ..	61	12	—	—	—	—	30	138	0	SE.	9	4th 14h.	12 4th 2 . 53
Spurn Head	40	‡	—	—	—	—	26	118	24	E.	10	4th 10h.	12 4th 10 . 1
3. ENGLAND, E.													
Gorleston	42	‡	—	—	3, 4	13	63	92	0	—	13	4th 4h.	17 4th 4 . 23
Shoeburyness ..	90	‡	—	—	3, 4, 8	26	55	87	0	—	13	3rd 21h.	17 3rd 23 . 50
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	56	112	0	E.	10	3rd 12h.	16 4th 6 . 33
5. ENGLAND, S.E.													
Dover	40	‡	—	—	3, 8	27	61	80	0	—	14	8th 16h.	19 8th 20 . 42
Warlingham ..	33	‡	—	—	—	—	52	116	0	—	8	3rd 14h.	16 3rd 11 . 57
Brighton	53	6	—	—	8th	4	52	112	0	—	13	8th 23h.	20 8th 17 . 46
Kew†	65	7 / 22	—	—	—	—	63	105	0	E. by S.	10	3rd 13h.	17 3rd 14 . 3
South Kensington ..	92	30	—	—	—	—	43	120	5	ENE.	7	3rd 16h.	14 3rd 13 . 22
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	3	165	0	E. by S.	6	4th 10h.	13 4th 11 . 17
Southport	62	48	—	—	4, 8	5	83	80	0	E. by S.	12	4th 10h.	17 4th 9 . 45
Holyhead*	40	‡	—	—	4, 8	12	38	118	0	E.	13	8th 22h.	17 8th 21 . 50
8. ENGLAND, S.W.													
Pendennis Castle* ..	65	24	3rd	6	2 to 4, 8	27	62	73	0	N.	19	3rd 15h.	23 3rd 14 . 50
Plymouth††	88	2	—	—	3, 8	4	73	91	0	—	12	3rd 15h.	22 8th 12 . 20
10. IRELAND, S.													
Quilty	40	‡	—	—	—	—	56	80	32	—	10	3rd 14h.	14 3rd 13 . 55
Weaver Pt.	30	‡	—	—	—	—	55	113	0	—	10	3rd 13h.	16 4th 9 . 40
11. ENGLISH CHANNEL.													
Scilly*	32 / 19	‡	—	—	3rd	19	45	104	0	NE.	16	3rd 14h.	22 3rd 14 . 10

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

†† From the instrument at the Royal Western Yacht Club until May 3rd.

** Above tops of trees.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

EIGHTEENTH WEEK—May 2nd to May 8th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Accumulated Difference from Av. (25 Yrs.)	Accumulated Below 42°	Accumulated Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	68	27	53·6	36·9	44·7	− 1·0	40	+ 3	14	+ 5	1	− 4	0·05	1	− 16	6·7	+1·8	44	1020
Eastern.																			
1. SCOTLAND, EAST ...	67	22	55·2	36·9	45·5	− 0·6	46	+ 3	14	+ 4	2	− 2	0·12	3	− 9	5·5	+0·2	36	1020
2. ENGLAND, N.E.	71	26	55·8	41·0	47·9	+ 1·1	46	+ 5	3	− 2	2	− 1	0·18	4	− 6	6·7	+0·9	45	1020
3. ENGLAND, EAST ...	74	32	60·3	44·1	51·8	+ 3·4	69	+ 17	0	− 6	2	− 1	0·11	3	− 7	7·4	+1·2	50	1018
4. MIDLAND COUNTIES ...	75	29	62·2	42·2	51·6	+ 3·3	67	+ 13	0	− 9	2	− 1	0·22	5	− 6	5·9	+0·3	39	1017
5. ENGLAND, S.E.	75	37	62·7	46·5	54·1	+ 4·5	85	+ 29	0	− 2	1	− 2	0·11	3	− 7	7·0	+0·7	47	1017
Western.																			
6. SCOTLAND, WEST ...	68	31	58·3	40·2	48·7	+ 1·3	54	+ 8	5	+ 1	1	− 3	0·05	1	− 16	5·9	+0·3	47	1020
7. ENGLAND, N.W.	69	31	58·1	41·7	49·4	+ 1·4	53	+ 7	1	− 2	2	− 2	0·23	6	− 7	6·9	+1·2	46	1018
8. ENGLAND, S.W.	75	36	61·4	46·5	53·5	+ 4·5	81	+ 30	0	− 2	2	− 2	0·39	10	− 4	5·9	−0·4	40	1016
9. IRELAND, NORTH ...	67	29	56·3	41·5	48·5	+ 0·6	48	+ 2	1	− 2	1	− 3	0·03	1	− 14	5·3	−0·1	35	1018
10. IRELAND, SOUTH ...	72	34	59·0	45·0	51.5	+ 2·1	67	+ 13	0	− 2	2	− 2	0·14	4	− 12	4·8	−1·0	32	1016
11. ENGLISH CHANNEL ...	69	44	59·5	48·8	53·8	+ 3·1	83	+ 22	0	0	4	+ 1	0·44	11	0	4·1	−3·5	28	1014

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 9 Weeks, February 28th to May 8th, 1915.

0. SCOTLAND, NORTH ...	73	23	47·8	35·8	41·6	*	198	+ 4	205	− 37	46	− 1	9·27	234	+ 21	3·4	−0·4	27	1013
Eastern.																			
1. SCOTLAND, EAST ...	69	11	49·4	34·7	41·8	*	243	− 2	251	− 12	39	0	4·12	105	− 17	4·3	+0·1	34	1014
2. ENGLAND, N.E.	72	20	50·9	36·9	43·6	*	300	+ 50	171	− 28	30	− 6	2·78	70	− 27	5·0	+0·5	39	1016
3. ENGLAND, EAST ...	74	22	51·6	37·4	44·2	*	336	+ 11	158	− 53	28	− 7	2·71	70	− 21	4·9	+0·2	39	1016
4. MIDLAND COUNTIES ...	75	19	52·5	36·4	44·1	*	347	+ 10	193	− 28	27	− 6	2·57	65	− 37	4·3	+0·1	34	1017
5. ENGLAND, S.E.	75	22	52·0	38·5	45·0	*	352	+ 6	131	− 17	23	− 9	2·38	63	− 37	4·7	0·0	37	1016
Western.																			
6. SCOTLAND, WEST ...	69	18	50·4	37·0	43·4	*	274	+ 17	178	− 6	36	− 3	5·19	130	− 53	4·8	+0·5	37	1016
7. ENGLAND, N.W.	70	22	50·4	38·1	44·0	*	275	+ 3	138	− 22	34	− 2	4·46	113	− 17	4·8	+0·6	38	1017
8. ENGLAND, S.W.	75	18	51·6	38·9	45·0	*	340	+ 6	124	+ 1	28	− 8	3·35	85	− 65	4·5	−0·2	36	1018
9. IRELAND, NORTH ...	69	20	50·9	38·5	44·4	*	294	+ 2	121	− 28	38	− 5	3·71	96	− 54	4·0	−0·1	32	1017
10. IRELAND, SOUTH ...	72	21	52·5	39·9	45·9	*	380	+ 20	97	− 14	33	− 6	3·44	89	− 76	4·4	−0·2	35	1019
11. ENGLISH CHANNEL ...	69	28	51·8	42·4	46·9	*	388	− 9	30	− 9	31	− 7	3·34	81	− 43	4·8	−0·8	38	1018

THE YEAR.—Aggregates, &c., for the Period of 18 Weeks, January 3rd to May 8th, 1915.

0. SCOTLAND, NORTH ...	73	12	45·4	34·8	40·0	*	231	− 17	465	− 71	89	+ 1	19·67	499	+ 31	2·5	−0·2	23	1006
Eastern.																			
1. SCOTLAND, EAST ...	69	11	46·0	33·4	39·6	*	264	− 42	580	− 19	75	+ 5	9·78	249	+ 14	3·1	−0·1	29	1007
2. ENGLAND, N.E.	72	20	47·5	35·8	41·5	*	342	+ 22	393	− 74	69	+ 4	7·84	198	+ 23	3·5	+0·1	32	1009
3. ENGLAND, EAST ...	74	18	48·2	36·3	42·1	*	396	− 6	375	−138	71	+ 7	8·32	212	+ 45	3·5	0·0	32	1011
4. MIDLAND COUNTIES ...	75	19	48·8	35·2	41·9	*	419	− 8	439	− 82	62	0	8·68	220	+ 22	3·2	+0·1	29	1011
5. ENGLAND, S.E.	75	15	49·0	37·3	43·0	*	453	+ 4	318	− 60	59	− 1	10·09	259	+ 58	3·5	0·0	32	1011
Western.																			
6. SCOTLAND, WEST ...	69	18	47·2	35·6	41·3	*	315	− 22	417	+ 1	76	+ 1	14·72	373	− 14	3·5	+0·4	33	1009
7. ENGLAND, N.W.	70	21	47·5	36·9	42·1	*	338	− 17	332	− 50	68	− 1	12·15	308	+ 48	3·6	+0·5	33	1010
8. ENGLAND, S.W.	75	17	48·8	38·3	43·1	*	436	− 32	297	− 1	70	+ 1	13·41	341	+ 31	3·5	0·0	32	1012
9. IRELAND, NORTH ...	69	20	47·9	36·6	42·1	*	363	− 39	346	+ 5	79	− 1	11·24	288	− 13	3·1	0·0	29	1009
10. IRELAND, SOUTH ...	72	21	49·5	38·0	43·6	*	478	− 47	284	+ 27	78	+ 5	12·93	332	− 6	3·5	0·0	32	1012
11. ENGLISH CHANNEL ...	69	27	49·9	41·1	45·5	*	551	− 42	120	+ 11	76	+ 1	12·07	303	+ 44	3·9	−0·4	35	1012

W. N. SHAW, Director.
Meteorological Office, South Kensington, May 12th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. *Vol. XXXII. (New Series.)* } No. 19. NINETEENTH WEEK, SUNDAY, MAY 9TH, TO SATURDAY, MAY 15TH, 1915.

Price 6d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The beginning of the week was mild and fine generally, but cold unsettled weather, beginning in the north on Tuesday, spread over the whole country by Thursday or Friday. The extreme range of temperature for the week was very large. On the 10th and 11th values above 70° F. were recorded in central and southern England and in the south of Ireland, while on the 13th, 14th and 15th values below 32° F. were reported from all districts except Ireland South and the English Channel. At Balmoral the minimum was as low as 21° F., and at West Linton 23° F. Rain fell at many northern stations on the 11th, extended further south on the 12th, and reached the most southern districts on the 13th, when the fall exceeded 25 mm. at a great number of stations. The total fall for the 12th and 13th exceeded 40 mm. over a very large area. At Westbourne (Sussex) it amounted to 62 mm., and at Brighton 58 mm. fell between 4 a.m. on the 13th and 2 a.m. on the 14th. No such fall has occurred at that station since a fall of 88 mm. on October 26th, 1909. A considerable amount of snow was experienced in some Scottish localities, and a little was observed at some English stations. The duration of bright sunshine was greatest in Scotland North and East—nearly 2 hours per day above the normal; in Ireland South and the English Channel it was 2 hours per day below the normal.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ... Warmth ...	Very deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate
Rainfall ...	Moderate	Heavy	Heavy	Very heavy	Very heavy	Very heavy	Moderate	Moderate	Very heavy	Moderate	Moderate	Heavy
Sunshine ...	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty

THE SEASON.

SPRING, 11 weeks from Feb. 28th, 1915. Warmth ...	2, 8, 1	3, 5, 3	5, 4, 2	2, 7, 2	3, 5, 3	3, 6, 2	2, 6, 3	2, 7, 2	2, 7, 2	2, 6, 3	3, 5, 3	1, 8, 2
Rainfall ...	3, 3, 5	4, 4, 3	2, 5, 4	3, 4, 4	1, 7, 3	2, 4, 5	2, 3, 6	3, 5, 3	2, 4, 5	1, 6, 4	1, 4, 6	2, 7, 2
Sunshine ...	2, 6, 3	3, 8, 0	2, 8, 1	5, 4, 2	2, 6, 3	2, 7, 2	5, 3, 3	5, 5, 1	1, 9, 1	3, 5, 3	3, 4, 4	0, 6, 5

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks. Warmth ...	3, 9, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks. Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, May 15th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	—	—	—	—
Wick	45	44	44·4	−1·7	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	45	41	43·2	−1·2
Ballantrae	52	49	50·4	+2·7	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	48	47	47·5	−0·6
Scilly	56	53	53·9	—	ENGLAND, S.E.				
Plymouth‡	53	51	52·3	+2·0	Eastbourne‡	54	52	52·7	+2·0
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	—	—	—	—	Port Erin	—	—	—	—

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5010—19.) Wt. 160—610. 450. 5/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
a, Islands.. *p* Baltasound	*37*	*50*	*9th*	*32*	*12, 13*	*44·8*	*33·7*	*38·9*	—	*6*	*0·62*	*16*	—	*8·4*	—	*51*	*	*	44·7	*	*	*	*Baltasound.*
a Lerwick..	54	51	10th	32	13th	44·6	34·9	39·5	- 4·6	6	0·51	13	—	8·1	+ 2·5	*59*	*	*	*	*	*	*	Deerness.
a Stornoway	51	56	10th	30	13th	48·0	35·1	41·2	- 4·7	5	0·47	12	- 3	7·5	+ 1·6	47	*	*	*	*	*	*	Stornoway.
a Castlebay, Barra Isd. ..	*37*	*53*	*9, 10*	*35*	*12, 13*	*48·3*	*39·7*	*43·7*	- *2·9*	*4*	*0·61*	*16*	—	*8·9*	—	*57*	*	*	*	*	*	*	*Castlebay.*
b, Mainland. *a* Wick	81	54	10th	28	14th	45·3	35·1	39·9	- 6·1	4	0·24	6	- 5	*	*	*	*	*	*	*	*	*	
p Strathpeffer	200	60	10th	28	14th	51·6	32·4	41·4	- 5·4	4	0·47	12	+ 1	7·2	+ 1·8	45	*	*	*	*	*	*	Strathpeffer.
p Glencarron	500	61	9th	25	13th	48·5	30·1	38·8	- 6·9	6	0·49	12	- 15	*	*	*	*	*	*	*	*	*	
p Fort Augustus..	68	60	9th	27	13th	51·9	31·9	41·3	- 5·4	4	0·41	10	- 3	6·1	+ 1·9	38	*	*	*	*	*	*	Fort Augustus
p Fort William ..	171	62	9th	28	13, 14	53·3	32·1	42·1	- 6·1	3	0·40	10	- 12	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																							
p Gordon Castle ..	101	64	10th	31	13th	50·7	34·4	42·1	- 5·2	6	0·81	21	+ 11	6·8	—	43	6	19	46·7	-0·7	45·7	+1·1	Crathes.
a Nairn	82	61	9, 10	28	9, 13	49·7	31·7	40·2	- 7·1	6	0·83	21	+ 12	*6·4*	—	*40*	*	*	*	*	*	*	*Gordon Castle.*
a Aberdeen	46	54	10th	31	13, 14	48·0	34·0	40·6	- 5·9	4	0·41	10	- 2	7·1	—	45	*	*	*	*	*	*	Nairn.
a Balmoral	980	58	10th	21	14th	53·3	26·3	39·0	- 5·3	4	0·58	15	+ 2	8·4	+ 2·5	53	*	*	*	*	45·2	+1·0	Aberdeen.
p Crieff	432	64	10th	28	13, 14	52·4	32·1	41·6	- 6·7	4	0·77	20	+ 7	*	*	*	6	17	*	*	*	*	Balmoral.
														7·5	—	48	*	*	*	*	*	*	Balruddery.
a Leith	18	62	10th	31	10th	51·7	36·1	43·4	- 4·8	2	0·83	21	+ 12	*	*	*	*	*	*	*	*	*	
a West Linton	769	59	10th	23	13th	51·1	*30·7*	40·3	- 4·0	1	0·58	15	—	*6·3*	—	*40*	4	15	*	*	*	*	*West Linton.*
p Marchmont	498	63	10th	28	13th	50·9	33·1	41·5	- 4·7	2	0·78	20	+ 6	7·9	+ 2·4	51	3	20	*	*	*	*	Marchmont.
a Edinburgh	*441*	*60*	*10th*	*32*	*13, 15*	*49·1*	*34·4*	*41·3*	—	*2*	*0·63*	*16*	—	8·0	—	51	4	21	*	*	*	*	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	62	9th	30	15th	53·4	36·4	44·4	- 4·3	2	0·53	13	- 2	*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	180	56	10th	32	15th	51·6	36·4	43·5	- 5·1	4	0·58	15	+ 1	7·0	+ 2·0	45	4	22	*	*	*	*	Glasgow.
p Rothesay‡	170	56	9th	33	15th	50·1	36·9	43·1	- 5·6	3	0·67	17	0	*6·1*	—	*39*	2	25	50·4	*	49·0	+2·9	*Rothesay.*
a Kilmarnock	90	59	9th	25	15th	52·1	34·6	42 8	- 5·7	1	0·54	14	—	*6·1*	—	*39*	*	*	*	*	*	*	*Kilmarnock.*
a Colmonell	170	61	9th	26	13th	53·1	35·0	43·5	- 5·2	1	0·71	18	+ 4	*	*	*	3	21	*	*	*	*	
a Dumfries	160	58	10th	30	13, 15	52·2	35·7	43·5	- 5·7	2	0·49	12	- 2	*6·9*	—	*45*	4	25	49·4	*	48·9	*	*Dumfries.*
Eskdalemuir	*799*	*57*	*10th*	*23*	*15th*	*50·0*	*30·4*	*39·6*	—	*2*	*0·83*	*21*	—	*6·1*	—	*39*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse	120	55	11th	26	15th	51·1	33·9	42·0	- 6·6	1	0·73	19	+ 1	*	*	*	*	*	*	*	*	*	
b, I. OF MAN. *p* Douglas	277	56	11th	34	15th	51·0	39·6	45·0	- 3·4	3	0·77	20	+ 5	6·6	- 0·4	43	2	26	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	55	10th	30	13th	49·4	37·7	43·2	- 3·7	3	0·87	22	+ 10	7·3	—	47	3	25	47·3	-0·2	47·2	+2·0	Cockle Park.
a Tynemouth	71	50	9, 15	34	15th	48·1	39·0	43·3	- 3·9	3	0·63	16	+ 7	*	*	*	*	*	*	*	*	*	*Tynemouth.*
p Durham	336	60	10th	31	13th	51·3	35·7	43·0	- 4·2	4	1·01	26	+ 16	6·5	+ 1·3	42	3	26	*	*	*	*	Durham.
a, North .. *p* Rounton	249	61	10th	30	13, 14	52·1	35·0	43·6	- 3·8	4	0·74	19	+ 10	*	*	*	3	27	49·5	*	*	*	Rounton.
a West Witton	*605*	*62*	*10th*	*31*	*14th*	*51·6*	*35·9*	*43·3*	—	*4*	*0·88*	*22*	—	*	*	*	3	24	48·1	*	44·7	*	*West Witton.*
p Scarborough	100	53	11th	36	15th	49·4	39·1	43·9	- 3·9	2	0·60	15	+ 5	8·1	—	53	*	*	*	*	47·0†	*	Scarborough.
p York	56	64	11th	33	14th	55·6	39·3	47·0	- 2·6	3	0·65	17	+ 6	5·1	- 0·3	33	*	*	50·3	+1·2	47·8	+1·4	York.
b, South .. *a* Spurn Head	26	56	11th	38	13th	49·9	40·6	45·0	- 3·5	3	0·43	11	+ 3	*5·9*	—	*38*	*	*	*	*	*	*	*Spurn Head.*
a Lincoln	58	67	11th	36	15th	53·6	40·3	46·6	- 3·4	4	0·68	17	+ 7	*	*	*	*	*	52·3	+2·8	49·0	+2·5	Lincoln.
a Fulbeck	180	68	11th	35	15th	53·6	39·1	45·9	- 3·6	5	1·12	28	+ 18	7·1	—	46	0	34	51·8	-0·3	49·2	+1·5	Rauceby.
														6·1	—	40	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
p Cromer	196	59	11th	37	15th	50·9	40·3	45·3	- 2·9	3	0·82	21	—	6·5	—	42	*	*	*	*	*	*	Cromer.
p Little Massingham	280	66	11th	34	15th	54·3	38·0	45·7	- 3·6	4	1·29	33	+ 23	7·4	+ 1·1	48	1	28	*	*	*	*	Lit. Massingham
a, North .. *a* Yarmouth	17	56	10, 11	37	15th	51·4	41·9	46·4	- 2·0	3	1·30	33	+ 23	8·2	—	54	*	*	52·7	-0·4	51·0	+0·7	Yarmouth.
a Norwich	93	67	11th	32	15th	54·3	40·3	46·9	- 2·1	5	1·36	35	—	*8·2*	—	*54*	1	28	52·3	*	*	*	*Norwich.*
a Geldeston	37	63	11th	32	15th	55·1	40·1	47·2	- 2·2	5	1·59	40	+ 30	7·8	+ 1·2	52	*	*	*	*	*	*	Geldeston.
b, South .. *p* Cambridge	41	67	11th	30	15th	57·1	37·4	46·7	- 3·8	4	1·42	33	+ 26	6·8	+ 0·5	45	2	25	53·4	+1·4	50·8	+1·7	Cambridge.
a Clacton-on-Sea	54	59	12th	38	14, 15	54·4	43·0	48·4	- 0·7	3	1·16	29	—	7·6	—	50	1	28	51·5	+0·4	50·7	+1·1	Clacton.
a Rothamsted	424	67	11th	31	15th	56·7	37·9	46·7	- 2·8	3	1·89	48	+ 37	7·2	+ 1·2	48	2	26	51·9	*	*	*	Rothamsted.
p Tottenham	51	67	10th	36	14th	58·9	40·9	49·4	- 1·3	3	1·94	49	—	7·2	—	48	0	34	*	*	51·9	+3·0	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	63	11th	30	14th	51·7	35·7	43·2	- 4·3	2	0·94	24	+ 12	5·5	—	36	2	26	47·8	+0·8	47·8	+2·1	Harrogate.
p Buxton	*987*	*63*	*11th*	*31*	*15th*	*51·6*	*35·0*	*42·8*	- *3·2*	*4*	*0·51*	*13*	- *4*	*6·4*	—	*42*	1	29	48·0	-0·7	45·3	+0·5	*Buxton.*
														5·2	—	34	2	29	48·6	+0·1	46·2	+1·1	
a Bawtry	65	73	11th	32	15th	55·6	37·7	46·1	- 3·4	3	0·62	16	+ 6	5·5	+ 0·3	36	2	29	51·0	*	49·2	*	Sheffield.
a Nottingham	82	67	11th	32	15th	55·0	38·6	46·3	- 3·2	5	0·98	25	+ 15	6·5	—	42	1	28	49·8	+3·5	47·9	+1·3	Worksop.
b, East .. *p* Birmingham, Edgbsn.	535	67	11th	33	14th	54·7	38·3	46·0	- 3·4	4	1·36	35	+ 24	5·7	—	38	2	21	47·4	-0·4	46·6	+1·2	Nottingham.
a Raunds	203	72	11th	29	15th	57·6	37·6	47·0	- 2·7	4	1·53	39	—	*6·6*	—	*44*	2	24	52·9	*	48·4	*	Birmingham.
p Oxford	208	70	11th	33	14, 15	58·6	37·6	47·5	- 3·0	4	1·73	44	+ 34	7·8	+ 1·8	52	2	26	*	*	*	*	*Raunds.*
																							Oxford.
a Cheadle	646	66	11, 12	—	—	56·4	—	—	—	4	0·55	14	+ 2	*	*	*	0	33	*	*	*	*	Cheadle.
p Shrewsbury	191	69	11th	32	10th	59·6	37·0	47·6	- 2·6	3	0·76	19	—	*	*	*	0	33	*	*	*	*	Shrewsbury.
c, West .. *a* Hereford§	291	70	11th	31	15th	58·4	38·4	47·8	- 2·7	4	1·21	31	+ 20	*7·3*	—	*48*	1	25	53·5	*	50·9	*	*Malvern.§*
a Cirencester	446	68	11th	29	15th	57·2	38·6	48·3	- 2·8	4	1·22	31	+ 20	8·0	+ 1·7	53	1	30	52·1	*	49·0	*	Cirencester.
a Bath	66	69	11th	32	15th	59·7	38·9	48·7	- 2·1	3	1·26	32	+ 21	8·7	—	58	*	*	55·4	+2·7	51·4	+1·6	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	68	11th	29	15th	58·3	37·0	47·0	- 1·9	3	1·49	38	+ 27	7·2	—	48	0	32	55·1	+2·2	51·1	+1·6	Worthing.
a Margate	53	64	12th	41	15th	55·0	45·0	49·7	- 0·4	3	1·18	30	+ 22	7·3	+ 1·6	49	1	28	53·2	*	50·4	*	Marlborough.
a Wisley, Surrey	150	70	11th	33	11th	60·8	39·7	48·5	- 1·6	3	1·64	42	—	7·2	+ 1·1	48	0	35	52·4	+1·9	51·0	+3·0	Margate.
p Salisbury (Wilton)	180	71	11th	31	15th	60·0	39·0	48·9	- 2·2	3	2·05	52	+ 40	6·9	—	46	3	22	52·6	+1·1	49·7	+0·9	Wisley.
a Tunbridge Wells	354	68	11th	33	15th	59·1	40·9	49·5	- 0·4	4	2·00	51	+ 41	*	*	*	1	29	53·4	*	*	*	Salisbury.
														6·8	+ 0·4	45	2	25	53·5	+1·3	50·3	*	Tunbridge Wells.
a Dungeness	21	59	11th	40	15th	54·7	45·4	49·8	- 0·1	3	1·42	36	+ 29	°	°	°	*	*	*	*	*	*	Littlestone.
p Hastings..	178	64	10, 11	39	14th	57·1	43·3	49·8	- 0·7	3	1·56	40	+ 31	7·7	+ 0·6	51	0	32	54·9	*	50·4	*	Hastings.
p Southampton	64	69	11th	35	15th	60·9	42·3	51·0	- 1·3	3	1·79	45	+ 34	6·7	0·0	45	1	28	*	*	*	*	Southampton.
a Ventnor	59	66	10th	39	14th	58·7	44·6	51·2	- 0·3	3	2·10	53	+ 44	6·9	- 0·2	46	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	68	11th	37	14th	59·9	41·4	50·1	- 0·8	3	1·88	48	+ 39	7·4	+ 1·3	49	3	27	52·7	+1·2	50·0	+1·5	Kew.
a Westminster	*27*	*67*	*11th*	*37*	*14, 15*	*60·6*	*43·4*	*51·5*	+ *0·1*	*3*	*1·71*	*43*	+ *34*	*6·7*	+ *1·7*	*45*	0	32	*	*	*	*	*Westminster.*
a Greenwich	*165*	*69*	*11, 12*	*35*	*15th*	*60·3*	*40·7*	*49·9*	- *1·5*	*3*	*1·88*	*48*	+ *39*	*6·4*	+ *0·7*	*43*	3	22	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*66*	*11th*	*33*	*14th*	*59·0*	*39·3*	*48·6*	—	*3*	*1·75*	*44*	—	*7·1*	—	*47*	4	27	*	*	*	*	*Hampstead.*
a Camden Square	*110*	*72*	*11th*	*36*	*15th*	*63·1*	*41·7*	*51·8*	—	*3*	*1·92*	*49*	—	*6·5*	—	*43*	0	32	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	57	9th	28	13th	51·7	33·6	42·1	- 5·7	1	0·97	25	+ 11	6·3	—	41	*	*	*	*	*	*	Hoylake.
p Newton Rigg	559	60	10th	25	13th	53·6	32·1	42·2	- 5·9	2	0·62	16	+ 3	6·9	—	45	4	16	49·5	*	47·2	*	Aspatria.
p Stonyhurst	375	60	11th	32	14th	53·4	36·4	44·4	- 4·0	1	0·85	22	+ 6	6·2	+ 0·2	40	6	19	50·2	+1·5	47·3	+2·0	Newton Rigg.
p Blackpool	66	58	9th	31	14th	52·7	38·9	45·4	- 3·7	1	0·36	9	- 3	6·4	+ 0·4	42	6	13	*	*	*	*	Stonyhurst.
a Southport	*37*	*58*	*9, 11*	*33*	*10th*	*51·9*	*39·0*	*45·1*	- *4·0*	*3*	*0·43*	*11*	- *1*	6·3	+ 0·1	41	2	23	51·2	*	48·3	*	Blackpool.
a Liverpool (Bidston)	188	60	11th	34	14th	53·1	39·6	46·0	- 3·5	2	0·44	12	+ 2	*6·0*	- *0·5*	*39*	2	25	51·3	-1·2	51·0	+2·9	*Southport.*
a Hawarden Bridge	*23*	*64*	*11th*	*35*	*10, 14*	*54·3*	*39·6*	*46·5*	- *4·1*	*4*	*0·82*	*21*	+ *12*	*5·4*	+ *0·7*	*35*	1	29	50·3	+1·4	49·5	+2·6	*Liverpool.*
p Manchester (Whit. Pk.)	125	66	10, 11	35	14th	56·4	38·7	47·0	- 3·5	2	0·48	12	+ 2	*5·0*	—	*33*	*	*	*	*	*	*	*Manchester (City)*
																							" (Whit. Park)
b, NORTH WALES.																							
p Llandudno	71	64	11th	36	13, 15	57·6	39·7	48·1	- 1·7	4	0·41	10	- 1	6·8	+ 0·5	44	*	*	*	*	*	*	Llandudno.
a Holyhead	15	58	9, 11	39	10th	52·3	42·6	47·2	- 2·0	3	0·35	9	- 2	5·7	—	37	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*67*	*11th*	*32*	*14th*	*56·0*	*37·9*	*46·4*	- *3·2*	*3*	*0·14*	*4*	—	*6·7*	—	*44*	*	*	48·7	-0·3	47·7	+1·0	*Bettws-y-Coed.*
														7·7	—	51	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES																						
a Llangammarch Wells	550	68	11th	28	15th	57·0	36·4	46·1	− 2·1	3	1·26	32	—									Aberystwyth.
a Pembroke	149	69	9th	38	15th	53·3	42·4	47·5	− 1·8	3	1·02	26	+ 15									Llangammarch.
p Cardiff	202	67	11th	34	14, 15	57·4	38·4	47·3	− 3·9	3	1·17	30	+ 16	6·4	− 0·2	42	3	23	50·9	+1·1	47·7	+1·0	Pembroke.
														8·4	—	*56*	1	25	53·1	+1·4	49·8	+3·8	*Cardiff.*
b, ENGLAND, S.W.																						
a Clifton	229	67	11th	34	14th	59·4	41·0	49·7	− 1·5	3	1·65	42	+ 29	*8·9*	—	*59*	0	37					*Clifton.*
a Shaftesbury	722	68	11th	32	14th	57·0	39·0	47·5	− 1·7	3	1·57	40	+ 28						53·1		50·2		Shaftesbury.
a Arlington	613	66	11th	36	14, 15	57·0	40·0	48·0	− 0·9	4	1·28	33	+ 17										Arlington.
a Newquay	*190*	*67*	*9th*	*38*	*10th*	*55·1*	*44·1*	*49·3*	− *1·3*	*4*	*0·95*	*24*	+ *16*	6·9	+ 0·1	46	0	31	45·4		51·2		Newquay.
a Cullompton	202	72	11th	36	10th	60·1	41·3	50·1	− 0·5	4	1·29	33	+ 21	5·5	− 0·6	37	0	30	56·5				Cullompton.
a Portland Bill	19	63	10th	38	14th	55·6	45·6	50·3	− 0·1	3	1·69	43	—	*6·2*	—	*41*							*Weymouth.*
p Plymouth	116	64	9th	40	10, 14, 15	57·7	45·3	51·1	− 0·4	4	1·76	45	+ 33	6·7	− 0·1	45	0	32	53·7	+0·2			Plymouth.
a Falmouth	167	64	11th	39	15th	58·0	45·7	51·5	+ 0·8	3	1·51	38	+ 25	7·0	− 0·3	47	0	37	57·2		52·9		Falmouth.
9. IRELAND, N.																						
a Malin Head	208	56	10th	36	14th	51·1	41·0	45·8	− 2·3	2	0·63	16	+ 4	*7·2*		*46*							*Malin Head.*
a, West .. *a* Blacksod Point ..	?	60	9th‡	35	15th	54·0	41·6	47·4	− 2·2	5	0·20	5	− 11										
p Markree Castle ..	122	65	9th	26	15th	56·1	36·9	45·9	− 2·6	1	0·12	3	− 12	5·6	− 0·2	36	3	22	52·8		49·2		Markree Castle.
a Birr Castle	175	66	10th	32	15th	55·3	40·4	47·4	− 2·0	2	0·24	6	− 7	*3·9*	− *1·9*	*25*							*Birr Castle.*
b, East .. *p* Armagh	196	64	10th	30	15th	54·7	39·0	46·4	− 2·1	3	0·50	13	− 1	5·2	− 0·6	34	2	26	52·1	+0·9	49·3	+1·2	Armagh.
a Donaghadee	101	56	11th	36	15th	50·0	40·6	45·0	− 3·6	2	0·83	21	+ 8										
														4·7	− 1·8	31	1	26	52·1	+1·0	50·0	+1·1	Trinity Coll.
10. IRELAND, S.																	2	25					Phœnix Park.
p Dublin, City	47	62	11th	38	14th	54·4	44·0	48·9	− 2·2	5	0·47	12	0				0	34					Dublin City.
a, East .. *a* Kilkenny	212	67	10th	32	15th	58·6	41·3	48·5	− 1·0	2	0·42	11	− 2										
a Waterford	30	65	9th	37	11th	58·9	43·9	50·0	0·0	1	0·56	14	+ 1										
a Seskin, Carrick-on-Suir	*541*	*64*	*11th*	*34*	*14th*	*55·9*	*40·7*	*47·8*	—	*2*	*0·43*	*11*	—	*4·9*	—	*32*	2	29					*Seskin.*
a Birr Castle	175	66	10th	32	15th	55·3	40·4	47·4	− 2·0	2	0·24	6	− 7	3·9	− 1·9	25							Birr Castle.
a Foynes	50	66	9th	39	15th	56·3	44·0	49·8	− 0·7	1	0·45	12	− 1										
b, West .. *a* Cahir	199	67	10th	34	15th	57·6	41·1	48·9	− 0·8	2	0·61	15	—										
a Killarney	174	72	10th	35	14th	59·3	43·4	50·9	+ 1·0	3	0·55	14	− 4										
a Valencia	30	66	9th	40	14th	56·7	44·6	50·3	− 0·4	4	0·47	12	− 7	5·0	− 1·6	33							Valencia.
a Roche's Point	32	60	11th	40	15th	54·3	45·7	49·7	− 0·9	4	0·98	25	+ 11	4·2	—	28							Ballinacurra.
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	60	11th	41	15th	55·0	47·3	50·9	− 0·3	3	1·19	30	+ 20	6·5	− 0·7	44							Scilly.
a Jersey, St. Aubins ..	25	68	11th	37	15th	58·6	44·7	51·2	− 0·9	2	0·35	9	− 3	6·4	− 1·2	43							St. Heliers.
a Guernsey (Villa Carey)	180	66	11th	38	15th	57·6	44·7	50·8	− 0·8	3	0·70	18	+ 7	5·5	− 2·5	37	0	32	54·7	+1·4	52·6	+2·2	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, May 15th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds forces 4 and 5. Duration.	Calms and Light Airs. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.		Highest Hourly Wind. Date and Hour.		Highest Gust with Date and Time.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.		m/s.			m/s.	d.	h. m.
1. SCOTLAND, E.																
Dyce	75	15**	—	—	—	—	11	157	0	WNW.	8	15th	8h.	16	15th	7 . 35
Aberdeen*	105	37	—	—	—	—	35	133	0	N.	10	13th	8h.	15	15th	8 . 35
		52														
Edinburgh	39	31	—	—	—	—	15	153	0	NE. by N.	7	12th	1h.	13	12th	0 . 40
6. SCOTLAND, W.																
Eskdalemuir ..	50	22	—	—	12th	1	45	122	0	NE.	11	12th	4h.	18	12th	3 . 52
Paisley (Coats Obs.)	81	52	—	—	—	—	19	149	0	E. by N.	7	11th	23h.	14	9th	15 . 32
2. ENGLAND, N.E.																
Alnwick Castle ..	70	17	—	—	—	—	—	168	0	N.	5	14th	7h.	10	12th	3 . 30
South Shields ..	61	12	—	—	—	—	26	138	4	E. by N.	11	11th	23h.	13	12th	5 . 14
Spurn Head	40	‡	—	—	—	—	73	95	0	NE.	9	12th	7h.	16	14th	3 . 57
3. ENGLAND, E.																
Gorleston	42	‡	—	—	12 to 14	22	82	64	0	—	16	13th	23h.	20	14th	5 . 5
Shoeburyness ..	90	‡	—	—	9, 13, 14	21	67	80	0	—	15	13th	24h.	20	13th	24 . 29
4. MIDLAND COUNTIES.																
Benson	84	‡	—	—	—	—	46	122	0	NNE.	10	9th	15h.	16	13th	21 . 35
5. ENGLAND, S.E.																
Dover	40	‡	—	—	9, 10, 14	35	43	67	23	—	17	14th	4h.	21	9th	18 . 27
Warlingham ..	33	‡	—	—	—	—	35	133	0	—	8	9th	9h.	16	9th	9 . 18
Brighton	53	6	—	—	9th	1	50	117	0	—	11	9th	12h.	19	9th	11 . 54
Kew†	65	7	—	—	—	—	55	105	8	NE. by E.	8	9th	14h.	15	9th	13 . 56
		22														
South Kensington ..	92	30	—	—	—	—	29	139	0	ENE.	7	13th	12h.	12	13th	12 . 5
7. ENGLAND, N.W.																
Carnforth	56	23	—	—	—	—	4	164	0	W.	6	14th	15h.	13	14th	15 . 30
Southport	62	48	—	—	12 to 14	11	80	77	0	ENE.	13	12th	6h.	20	12th	6 . 7
Holyhead*	40	‡	—	—	9, 12, 13	3c	57	75	0	ENE.	15	12th	12h.	19	12th	12 . 19
8. ENGLAND, S.W.																
Pendennis Castle* ..	65	24	—	—	9, 13, 15	17	62	89	0	E.	17	9th	8h.	21	9th	7 . 45
Plymouth	88	2	—	—	9th	9	79	80	0	—	13	9th	11h.	23	9th	7 . 15
10. IRELAND, S.																
Quilty	40	‡	—	—	13, 15	12	57	75	24	—	13	15th	13h.	20	15th	12 . 38
Weaver Pt.	30	‡	—	—	—	—	9	52	107	—	7	9th	10h.	12	9th	12 . 40
11. ENGLISH CHANNEL.																
Scilly*	32	‡	—	—	9, 13, 15	12	48	108	0	SE.	13	15th	15h.	17	15th	12 . 20
	19															

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting.
** Above tops of trees.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

NINETEENTH WEEK—May 9th to May 15th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	62	25	49·0	33·1	40·6	− 6·0	20	− 22	33	+ 26	5	+ 1	0·43	11	− 6	7·2	+1·9	45	1021
Eastern.																			
1. SCOTLAND, EAST ...	64	21	51·0	32·3	41·1	− 5·9	25	− 22	36	+ 28	4	+ 1	0·70	18	+ 6	7·6	+1·8	48	1021
2. ENGLAND, N.E.	68	30	51·4	38·4	44·5	− 3·2	33	− 12	10	+ 6	3	0	0·75	19	+ 8	6·7	+0·4	44	1020
3. ENGLAND, EAST ...	67	30	54·8	40·0	47·0	− 2·5	43	− 15	6	+ 2	4	+ 1	1·42	36	+ 26	7·3	+0·8	49	1018
4. MIDLAND COUNTIES ...	73	29	56·8	37·6	46·7	− 2·7	51	− 9	12	+ 7	4	+ 1	1·10	28	+ 18	6·6	+0·6	43	1018
5. ENGLAND, S.E.	71	29	58·4	41·9	49·7	− 1·1	54	− 10	0	− 2	3	0	1·71	44	+ 35	7·1	+0·4	48	1017
Western.																			
6. SCOTLAND, WEST ...	62	25	51·8	36·1	43·5	− 5·0	35	− 18	17	+ 14	2	− 2	0·63	16	− 1	6·8	+0·7	44	1021
7. ENGLAND, N.W.	66	25	53·9	37·7	45·3	− 3·8	41	− 12	12	+ 10	2	− 1	0·56	14	+ 2	6·7	+0·4	44	1019
8. ENGLAND, S.W.	72	28	57·3	41·5	48·9	− 1·3	50	− 10	1	0	3	+ 1	1·42	36	+ 24	6·5	−0·2	44	1017
9. IRELAND, NORTH ...	66	26	53·5	39·9	46·3	− 2·7	33	− 14	6	+ 4	3	− 1	0·42	11	− 3	5·4	−0·5	35	1019
10. IRELAND, SOUTH ...	72	32	56·4	43·2	49·4	− 1·1	52	− 9	0	− 1	3	0	0·53	13	0	4·5	−1·9	30	1019
11. ENGLISH CHANNEL ...	68	37	57·1	45·6	51·0	− 0·8	63	− 5	0	0	3	0	0·75	19	+ 10	6·1	−2·1	41	1017

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 11 Weeks, February 28th to May 15th, 1915.

0. SCOTLAND, NORTH ...	73	23	47·9	35·6	41·5	*	218	− 18	238	− 11	51	0	9·70	245	+ 15	3·8	−0·2	30	1014
Eastern.																			
1. SCOTLAND, EAST ...	69	11	49·6	34·5	41·7	*	268	− 24	287	+ 16	43	+ 1	4·82	123	− 11	4·6	+0·3	35	1015
2. ENGLAND, N.E.	72	20	50·9	37·0	43·6	*	333	+ 38	181	− 22	33	− 6	3·53	89	− 19	5·1	+0·6	39	1016
3. ENGLAND, EAST ...	74	22	51·9	37·6	44·5	*	379	− 4	164	− 51	32	− 6	4·13	106	+ 5	5·1	+0·2	40	1016
4. MIDLAND COUNTIES ...	75	19	52·8	36·5	44·4	*	398	+ 1	205	− 21	31	− 5	3·67	93	− 19	4·5	+0·1	35	1017
5. ENGLAND, S.E.	75	22	52·6	38·8	45·4	*	406	− 4	131	− 19	26	− 9	4·69	107	− 2	5·0	+0·1	38	1016
Western.																			
6. SCOTLAND, WEST ...	69	18	50·6	36·9	43·4	*	309	− 1	195	+ 8	38	− 5	5·82	146	− 54	5·0	+0·5	38	1016
7. ENGLAND, N.W.	70	22	50·7	38·0	44·1	*	316	− 9	150	− 12	36	− 3	5·02	127	− 15	4·9	+0·4	38	1017
8. ENGLAND, S.W.	75	18	52·1	39·2	45·4	*	390	− 4	125	+ 1	31	− 7	4·73	121	− 41	4·7	−0·2	36	1018
9. IRELAND, NORTH ...	69	20	51·1	38·6	44·6	*	333	− 12	127	− 24	41	− 6	4·13	107	− 57	4·2	−0·1	32	1017
10. IRELAND, SOUTH ...	72	21	52·8	40·2	46·3	*	432	+ 11	97	− 15	36	− 6	3·97	102	− 76	4·4	−0·4	34	1019
11. ENGLISH CHANNEL ...	69	28	52·3	42·7	47·3	*	451	− 14	30	− 9	34	− 7	4·09	100	− 33	5·0	−0·9	39	1018

THE YEAR.—Aggregates, &c., for the Period of 19 Weeks, January 3rd to May 15th, 1915.

0. SCOTLAND, NORTH ...	73	12	45·6	34·7	40·0	*	251	− 39	498	− 45	94	+ 2	20·10	510	+ 25	2·7	−0·1	25	1007
Eastern.																			
1. SCOTLAND, EAST ...	69	11	46·2	33·3	39·6	*	289	− 64	616	+ 9	79	+ 6	10·48	267	+ 20	3·3	0·0	30	1008
2. ENGLAND, N.E.	72	20	47·7	35·9	41·7	*	375	+ 10	403	− 68	72	+ 4	8·59	217	+ 31	3·6	+0·1	33	1010
3. ENGLAND, EAST ...	74	18	48·5	36·5	42·4	*	439	− 21	381	−136	75	+ 8	9·74	248	+ 71	3·7	0·0	33	1011
4. MIDLAND COUNTIES ...	75	19	49·2	35·3	42·1	*	470	− 17	451	− 75	66	+ 1	9·78	248	+ 40	3·4	+0·1	30	1011
5. ENGLAND, S.E.	75	15	49·5	37·5	43·4	*	507	− 6	318	− 62	62	− 1	11·80	303	+ 93	3·7	0·0	33	1012
Western.																			
6. SCOTLAND, WEST ...	69	18	47·5	35·7	41·4	*	350	− 40	434	+ 15	78	− 1	15·35	389	− 15	3·7	+0·4	34	1010
7. ENGLAND, N.W.	70	21	47·8	37·0	42·3	*	379	− 29	344	− 40	70	− 2	12·71	322	+ 50	3·7	+0·5	34	1011
8. ENGLAND, S.W.	75	17	49·2	38·5	43·4	*	486	− 42	298	− 1	73	+ 2	14·83	377	+ 55	3·6	−0·1	33	1012
9. IRELAND, NORTH ...	69	20	48·2	36·8	42·4	*	402	− 53	352	+ 9	82	− 2	11·66	299	− 16	3·2	0·0	29	1009
10. IRELAND, SOUTH ...	72	21	49·8	38·3	43·9	*	530	− 56	284	+ 26	81	+ 5	13·46	345	− 6	3·6	0·0	32	1012
11. ENGLISH CHANNEL ...	69	27	50·3	41·3	45·7	*	614	− 47	120	+ 11	79	+ 1	12·82	322	+ 54	4·0	−0·5	35	1013

W. N. SHAW, Director.
Meteorological Office, South Kensington, May 19th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 20. TWENTIETH WEEK, SUNDAY, MAY 16TH, TO SATURDAY, MAY 22ND, 1915.

Price 6d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

During the early days of the week the temperature was low generally and the weather mostly unsettled, with occasional rain. On the 16th 26 mm. of rain fell at Carrick-on-Suir, and on the 17th larger quantities were experienced at many stations in southern England. Numerous places had more than 25 mm.; Marlborough measured 34 mm., Cirencester 38 mm., Tunbridge Wells 42 mm. and Canterbury 43 mm. In England S.E. the aggregate fall for the week greatly exceeded the average. The coldest nights were the 16th and 19th, when frost occurred in many northern districts and the thermometer touched 32° in the south. By the end of the period the emperature had become high, reaching a maximum of 76° in Scotland N., 78° in the Midland Counties, and between 70° and 75° in all other districts except the English Channel. For the week as a whole the temperature was above the normal except in Scotland E. In the north of Scotland the sunshine was rather above the average, but in all other districts there was a deficiency. In England S.E. the deficit was as much as 2·9 hours per day, Ireland South 3·2 hours, the English Channel 3·5 hours, and England South-West 3·6 hours.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Light	Light	Moderate	Heavy	Very heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Moderate
	Sunshine ...	Abundant	Moderate	Scanty	Scanty	Moderate	Very scanty	Moderate	Moderate	Very scanty	Scanty	Very scanty	Very scanty

THE SEASON.

SPRING, 12 weeks from Feb. 28th, 1915.	Warmth ...	2, 9, 1	3, 6, 3	5, 5, 2	2, 8, 2	3, 6, 3	3, 7, 2	2, 7, 3	2, 8, 2	2, 8, 2	2, 7, 3	3, 6, 3	1, 9, 2
	Rainfall ...	3, 3, 6	4, 4, 4	2, 5, 5	3, 5, 4	2, 7, 3	3, 4, 5	2, 4, 6	3, 6, 3	3, 4, 5	1, 7, 4	2, 4, 6	2, 8, 2
	Sunshine ...	3, 6, 3	3, 9, 0	2, 8, 2	5, 4, 3	2, 7, 3	2, 7, 3	5, 4, 3	5, 6, 1	1, 9, 2	3, 5, 4	3, 4, 5	0, 6, 6

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks.	Warmth ...	3, 9, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
	Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
	Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, May 22nd. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
SCOTLAND, N.	°	°	°	°	IRELAND, S.W.	°	°	°	°
Lerwick	—	—	—	—	Cleggan	55	49	51·4	0·0
Wick*	45	45	45·0	−1·9	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	45	42	43·9	−1·2
Ballantrae	55	49	52·2	+2·9	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	49	46	47·5	−2·3
Scilly	54	52	52·8	—	ENGLAND, S.E.				
Plymouth‡	54	51	52·4	+1·1	Eastbourne‡	53	52	52·3	−0·5
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	51	48	49·6	−1·3	Port Erin	50	47	47·5	−0·8

* Three days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5081—19.) Wt. 160—610. 450. 5/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air (In Degrees Fahrenheit): Highest.	Date.	Lowest.	Date.	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall: No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Bright Sunshine (Hours per Day): Daily Mean.	Difference from Average	Percentage of possible duration	Ground Temperature: Grass Min.: Ground Frosts	Lowest Reading.	Earth 1 ft.: Mean	Difference from Average	Earth 4 ft.: Mean.	Difference from Average.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
a, Islands.. p *Baltasound*	*31*	*56*	*22nd*	*35*	*16th*	*50·0*	*41·1*	*45·3*	—	*5*	*0·21*	*5*	—	*5·7*	—	*34*	*	*	46·2	*	*	*	*Baltasound.*
a Lerwick..	54	59	22nd	35	16th	49·0	40·4	44·4	− 0·5	3	0·20	5	—	5·3	− 0·4	32	*	*	*	*	*	*	Deerness.
a Stornoway	51	64	22nd	38	18th	54·9	42·6	48·4	+ 1·4	2	0·24	6	− 8	6·6	+ 0·4	40	*	*	*	*	*	*	Stornoway.
a *Castlebay, Barra Isd.* ..	*37*	*59*	*22nd*	*40*	*16th*	*53·3*	*45·1*	*49·0*	*+ 1·1*	*2*	*0·43*	*11*	—	*6·8*	—	*42*	*	*	*	*	*	*	*Castlebay.*
b, Mainland. a Wick	81	57	22nd	35	16th	49·3	40·4	44·6	− 2·3	0	0·00	0	− 11	*	*	*	*	*	*	*	*	*	* *
p Strathpeffer	200	72	22nd	33	16th	58·7	40·6	49·1	+ 1·3	2	0·06	2	− 9	6·9	+ 1·4	42	*	*	*	*	*	*	Strathpeffer.
p Glencarron	500	69	22nd	28	16th	58·0	38·7	47·8	+ 1·0	1	0·04	1	− 25	*	*	*	*	*	*	*	*	*	* *
p Fort Augustus.. ..	68	75	22nd	28	16th	59·4	41·0	49·7	+ 1·9	2	0·03	1	− 12	7·4	+ 3·0	45	*	*	*	*	*	*	Fort Augustus.
p Fort William	171	76	22nd	28	16th	64·3	37·9	50·3	+ 1·0	3	0·03	1	− 20	*	*	*	*	*	*	*	*	*	* *
1. SCOTLAND, E.														4·3	—	26	3	23	47·6	−2·1	45·6	−0·4	Crathes.
p Gordon Castle	101	71	22nd	30	19th	58·0	38·4	47·6	− 0·9	1	0·04	1	− 10	*6·6*	—	*40*	*	*	*	*	*	*	*Gordon Castle.*
a Nairn	82	69	22nd	34	19th	58·3	39·7	48·4	− 0·1	3	0·21	5	− 4	7·3	—	45	*	*	*	*	*	*	Nairn.
a Aberdeen	46	63	22nd	36	17th	52·6	41·1	46·5	− 1·2	0	0·00	0	− 12	3·9	− 2·2	24	*	*	*	*	45·2	−0·2	Aberdeen.
a Balmoral	930	71	22nd	26	16, 19	60·9	34·0	46·6	+ 1·1	0	0·00	0	− 13	*	*	*	3	22	*	*	*	*	Balmoral.
p Crieff	432	73	22nd	31	16th	57·0	38·6	47·3	− 2·4	3	0·39	10	− 4	5·6	—	35	*	*	*	*	*	*	Balruddery.
a Leith	18	63	20th	35	16th	54·9	42·3	48·2	− 1·2	2	0·06	1	− 9	*	*	*	*	*	*	*	*	*	* *
a West Linton	769	70	22nd	26	16th	59·9	34·7	46·5	+ 1·0	0	0·00	0	—	*6·7*	—	*42*	3	20	*	*	*	*	*West Linton.*
p Marchmont	498	69	21st	32	16th	58·1	39·6	48·3	+ 0·8	1	0·06	2	− 12	5·8	+ 0·1	36	1	27	*	*	*	*	Marchmont.
a *Edinburgh*	*441*	*65*	*22nd*	*33*	*16th*	*54·6*	*40·7*	*47·2*	—	*2*	*0·07*	*2*	—	6·0	—	38	2	29	*	*	*	*	Edinburgh.
6. a SCOTLAND, W.																							
a Poltalloch	132	69	22nd	32	16th	61·7	40·7	50·6	+ 0·7	2	0·19	5	− 10	*	*	*	*	*	*	*	*	*	* *
p Glasgow Observatory	180	72	22nd	38	16, 19	59·9	42·7	50·8	+ 1·1	2	0·27	7	− 7	7·0	+ 1·7	44	1	30	*	*	*	*	Glasgow.
p Rothesay‡	170	71	22nd	39	16, 19	57·7	42·4	49·6	− 0·1	2	0·43	11	− 6	*7·0*	—	*44*	1	30	50·9	*	49·0	+1·7	*Rothesay.*
a Kilmarnock	90	72	22nd	30	16th	62·0	40·9	50·8	+ 1·0	2	0·14	4	—	*6·1*	—	*38*	*	*	*	*	*	*	*Kilmarnock.*
a Colmonell	170	69	22nd	30	16th	60·3	42·4	50·8	+ 0·8	2	0·28	7	− 8	*	*	*	1	27	*	*	*	*	* *
a Dumfries	160	75	22nd	33	16th	61·7	42·7	51·6	+ 1·1	2	0·35	9	− 5	*7·1*	—	*45*	1	29	51·5	*	49·2	*	*Dumfries.*
Eskdalemuir	*799*	*70*	*22nd*	*29*	*16th*	*59·3*	*37·1*	*47·5*	—	*2*	*0·16*	*4*	—	*6·5*	—	*41*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse ..	120	69	22nd	32	16th	59·4	42·6	50·5	+ 0·6	2	0·43	11	− 7	*	*	*	*	*	*	*	*	*	* *
b. I. OF MAN. p Douglas	277	69	22nd	42	16th	56·1	46·3	50·9	+ 1·3	4	0·83	22	+ 8	4·3	− 2·9	27	0	35	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a, North .. a Alnwick Castle ..	219	66	21st	30	16th	55·4	41·0	47·8	− 0·1	1	0·03	1	− 11	5·0	—	31	1	27	49·5	−0·7	47·2	+0·4	Cockle Park.
a Tynemouth	71	59	21st	39	16th	53·3	44·1	48·4	+ 0·2	3	0·20	5	− 5	*	*	*	*	*	*	*	*	*	*Tynemouth.*
p Durham..	336	67	21st	30	16th	56·4	41·6	48·6	0·0	2	0·32	8	− 3	5·0	− 0·5	31	1	28	*	*	*	*	Durham.
p Rounton..	249	70	21st	34	16th	59·1	41·6	49·8	+ 2·0	2	0·03	1	− 9	*	*	*	0	31	50·7	*	*	*	Rounton.
a *West Witton*	*605*	*69*	*22nd*	*34*	*16th*	*58·6*	*41·4*	*49·5*	—	*2*	*0·04*	*1*	—	*	*	*	1	28	48·4	*	44·9	*	*West Witton.*
p Scarborough	100	58	21st	40	16th	53·4	44·3	48·6	− 0·4	0	0·00	0	− 10	5·3	—	33	*	*	*	*	47·6†	*	Scarborough.
p York	56	71	21, 22	39	16th	61·3	45·1	52·7	+ 1·9	1	0·01	0	− 11	4·9	− 0·8	31	*	*	50·8	−0·4	48·4	+0·8	York.
b, South .. a Spurn Head	26	62	21st	41	16th	54·9	44·9	49·6	− 0·1	1	0·02	0·4	− 9	*2·9*	—	*19*	*	*	*	*	*	*	*Spurn Head.*
a Lincoln	58	71	21st	41	19th	61·7	45·6	53·2	+ 2·0	2	0·38	10	0	*	*	*	*	*	52·9	+0·7	49·3	+1·4	Lincoln.
a Fulbeck	180	68	21st	37	19th	60·0	43·9	51·5	+ 1·0	3	0·21	5	− 6	4·7	—	30	0	34	53·8	−1·3	49·9	+1·0	Rauceby.
														4·3	—	27	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
a, North .. p Cromer	196	66	20th	40	16, 20	56·9	44·1	50·1	+ 0·4	4	0·07	2	—	3·7	—	24	*	*	*	*	*	*	Cromer.
p Little Massingham ..	280	69	21st	40	16, 19, 20	60·1	44·0	51·6	+ 0·7	1	0·01	0	− 11	3·0	− 3·6	19	0	34	*	*	*	*	Lit. Massingham
a Yarmouth	17	57	21, 22	39	20th	54·1	44·3	48·9	− 0·7	4	0·51	13	+ 3	4·9	—	31	*	*	52·4	−3·5	51·0	−0·7	Yarmouth.
a Norwich	93	68	21st	39	20th	60·4	45·3	52·4	+ 2·2	3	0·41	10	—	*3·9*	—	*25*	0	35	52·8	*	*	*	*Norwich.*
a Geldeston	37	65	20, 21	36	20th	59·7	45·0	51·9	+ 1·4	5	0·42	11	+ 1	4·5	− 2·5	29	*	*	*	*	*	*	Geldeston.
b. South .. p Cambridge	41	70	21st	40	19th	62·0	46·4	53·7	+ 1·8	2	0·06	2	− 8	3·2	− 3·3	21	0	35	53·9	−0·1	51·0	+0·4	Cambridge.
a Clacton-on-Sea ..	54	67	22nd	43	19th	55·4	47·1	51·0	+ 0·9	3	0·67	17	—	4·1	—	27	0	42	51·7	−1·9	50·7	−0·4	Clacton.
a Rothamsted	424	67	21st	39	19th	59·7	45·0	51·9	+ 1·2	3	0·35	9	− 2	3·7	− 2·6	24	0	34	51·6	*	*	*	Rothamsted.
p Tottenham	51	69	21st	42	19th	62·0	48·0	54·6	+ 2·8	2	0·85	22	—	3·4	—	22	0	39	*	*	52·1	+1·7	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	69	22nd	33	16th	58·6	41·6	49·6	+ 0·9	2	0·10	3	− 9	5·7	—	36	0	32	49·0	0·0	48·1	+1·0	Harrogate.
p *Buxton*	*987*	*67*	*22nd*	*30*	*19th*	*58·0*	*41·0*	*49·0*	*+ 1·8*	*2*	*0·31*	*8*	*− 10*	*5·3*	—	*34*	1	24	48·1	−3·0	46·4	+0·7	*Buxton.*
														4·7	—	30	0	31	49·1	−1·6	46·5	+0·3	Sheffield.
b, East .. a Bawtry	65	71	21st	32	19th	62·1	41·1	51·0	+ 0·3	2	0·12	3	− 8	4·4	− 1·0	28	0	32	51·7	*	49·4	*	Worksop.
a Nottingham	82	69	21st	38	19th	61·9	44·0	52·4	+ 1·6	3	0·06	2	− 8	5·0	−	32	0	32	51·9	−0·9	48·0	−0·2	Nottingham.
p Birmingham, Edgbsn.	535	69	22nd	38	19th	61·4	44·6	52·5	+ 2·0	3	0·44	11	− 1	5·0	—	32	1	25	47·5	−1·8	46·5	+0·2	Birmingham.
a Raunds	203	67	22nd	37	19th	62·4	42·9	52·1	+ 1·2	2	0·14	4	—	*4·2*	—	*27*	0	36	52·6	*	49·0	*	*Raunds.*
p Oxford	208	67	22nd	36	19th	61·1	45·3	52·7	+ 1·0	5	1·58	40	+ 30	4·2	− 2·1	27	1	30	*	*	*	*	Oxford.
c, West .. a Cheadle	646	70	22nd	—	—	60·4	—	—	—	2	0·25	6	− 6	*	*	*	1	28	*	*	*	*	Cheadle.
p Shrewsbury	191	78	22nd	35	19th	64·9	44·1	53·9	+ 2·6	4	0·67	17	—	*	*	*	0	33	*	*	*	*	Shrewsbury.
a Hereford§	291	71	22nd	33	19th	61·4	43·9	52·1	+ 0·6	4	1·43	36	+ 24	*6·6*	—	*43*	1	29	53·4	*	51·1	*	*Malvern.§*
a Cirencester	446	68	22nd	34	19th	60·5	42·4	50·9	+ 0·7	5	1·99	51	+ 39	5·3	− 1·2	34	0	33	51·6	*	49·5	*	Cirencester.
a Bath	66	73	22nd	35	19th	61·0	45·9	53·4	+ 1·4	5	0·98	25	+ 14	5·6	—	36	*	*	55·1	+0·2	52·1	+0·7	Bath.
5. ENGLAND, S.E														4·1	—	27	0	41	55·1	−0·3	51·9	+1·0	Worthing.
a Marlborough	424	69	22nd	32	19th	60·7	42·9	51·3	+ 1·3	4	1·85	47	+ 31	3·9	− 2·1	25	1	30	54·1	*	51·1	*	Marlborough.
a Margate	53	63	16th	44	19-21	56·7	46·1	51·1	− 0·3	3	0·82	21	+ 12	3·7	− 2·7	24	0	39	52·5	−0·5	51·2	+1·6	Margate.
a Wisley, Surrey ..	150	68	22nd	42	19th	62·1	47·0	54·1	+ 1·9	5	1·25	32	—	3·0	—	19	0	38	53·6	−0·5	50·3	−0·1	Wisley.
p Salisbury (Wilton) ..	180	74	22nd	34	19th	63·4	45·1	53·7	+ 1·2	6	1·73	44	+ 33	*	*	*	0	31	56·3	*	*	*	Salisbury.
a Tunbridge Wells ..	354	68	21, 22	42	16, 19	61·3	46·7	53·6	+ 2·4	4	2·41	61	+ 51	2·9	− 3·7	19	0	36	53·0	−2·2	50·8	*	Tunbridge Wells.
a Dungeness	21	68	22nd	43	19th	57·3	47·7	52·2	+ 0·9	3	1·35	34	+ 27	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings..	178	68	22nd	43	19th	59·3	47·7	53·2	+ 1·5	4	1·04	26	+ 17	5·4	− 2·1	35	0	40	54·8	*	51·4	*	Hastings.
p Southampton	64	73	22nd	37	19th	62·6	48·1	54·9	+ 1·3	5	1·63	41	+ 30	4·6	− 2·4	30	0	31	*	*	*	*	Southampton.
a Ventnor	59	73	22nd	40	19th	60·6	48·0	53·9	+ 1·2	5	1·16	29	+ 20	4·4	− 2·9	29	*	*	*	*	*	*	Ventnor.
LONDON. p Kew	18	68	21, 22	41	19th	62·2	47·5	54·4	+ 2·1	3	1·25	32	+ 23	3·2	− 3·2	21	0	38	53·4	−0·6	50·5	+0·9	Kew.
a *Westminster*	*27*	*69*	*22nd*	*44*	*16th*	*61·8*	*48·9*	*55·0*	*+ 2·2*	*2*	*1·03*	*26*	*+ 17*	*2·9*	*− 2·4*	*19*	0	41	*	*	*	*	*Westminster.*
a *Greenwich*	*155*	*69*	*21, 22*	*42*	*20th*	*62·6*	*46·7*	*54·2*	*+ 1·3*	*2*	*1·37*	*35*	*+ 25*	*3·2*	*− 2·8*	*21*	0	34	*	*	*	*	*Greenwich.*
a *Hampstead*	*450*	*68*	*21st*	*38*	*19th*	*60·1*	*44·6*	*51·9*	—	*2*	*1·14*	*29*	—	*3·8*	—	*25*	2	29	*	*	*	*	*Hampstead.*
a *Camden Square* ..	*110*	*75*	*21st*	*42*	*19th*	*64·9*	*47·4*	*55·6*	—	*2*	*1·03*	*23*	—	*3·2*	—	*21*	0	39	*	*	*	*	*Camden Square.*
7. a, ENGLAND, N.W.														6·5	—	41	*	*	*	*	*	*	Hoylake.
p Aspatria..	250	73	22nd	32	16th	61·4	42·9	51·6	+ 2·4	2	0·03	1	− 13	7·5	—	47	2	22	50·0	*	47·4	*	Aspatria.
p Newton Rigg	559	73	22nd	32	16th	60·4	40·1	49·6	+ 1·1	3	0·04	1	− 13	6·6	+ 0·3	41	3	27	50·7	−0·5	47·6	+0·9	Newton Rigg.
p Stonyhurst	375	72	22nd	34	16th	60·7	43·7	51·7	+ 1·8	3	0·29	7	− 9	6·0	− 0·2	38	2	22	*	*	*	*	Stonyhurst.
p Blackpool	66	65	22nd	38	19th	60·1	44·3	51·7	+ 1·3	4	0·42	11	− 1	7·9	+ 1·4	50	0	32	52·3	*	48·8	*	Blackpool.
a *Southport*	*37*	*66*	*21, 22*	*36*	*19th*	*61·0*	*45·6*	*52·8*	*+ 2·4*	*4*	*0·42*	*11*	*− 1*	*6·9*	*+ 0·1*	*44*	1	30	54·0	−1·0	51·1	−0·2	*Southport.*
a Liverpool (Bidston) ..	188	71	21st	39	19th	61·0	45·0	52·5	+ 1·8	3	0·43	11	0	*6·5*	—	*41*	*	*	*	*	*	*	*Liverpool.*
a *Hawarden Bridge* ..	*22*	*69*	*21st*	*40*	*19th*	*62·4*	*45·9*	*53·7*	*+ 1·9*	*3*	*1·12*	*28*	*+ 18*	*6·0*	—	*38*	0	34	52·0	+0·4	50·2	+2·0	*Manchester (City)*
p Manchester (Whit. Pk.)	125	71	21, 22	37	19th	63·0	45·7	53·8	+ 1·8	3	0·41	10	− 1	*5·5*	*+ 0·6*	*35*	*	*	*	*	*	*	" *(Whit. Park)*
b, NORTH WALES.																							
p Llandudno	71	67	20th	42	18, 19	61·3	46·1	53·2	+ 2·4	3	0·87	22	+ 11	5·9	− 0·7	38	*	*	*	*	*	*	Llandudno.
a Holyhead	15	62	21st	44	16th	57·4	47·3	52·1	+ 2·0	5	1·22	31	+ 20	*4·3*	--	*27*	*	*	*	*	*	*	*Holyhead.*
p *Bettws-y-Coed*	*148*	*70*	*22nd*	*40*	*19th*	*62·3*	*45·7*	*53·5*	*+ 2·5*	*5*	*0·80*	*20*	—	*4·4*	—	*28*	*	*	49·9	−0·9	48·0	+0·3	*Bettws-y-Coed.*
														4·1	—	26	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														3·3	—	21							
a Llangammarch Wells	550	72	22nd	40	19th	60·9	46·0	53·0	+ 3·5	4	1·14	29	—	4·6	—	30	0	34	51·2	−0·5	48·1	+0·4	Llangammarch.
a Pembroke	149	66	22nd	43	16th	56·0	47·7	51·6	+ 1·5	3	0·67	17	+ 6	2·9	− 4·2	19							Pembroke.
p Cardiff	202	71	22nd	39	19th	61·0	46·3	53·2	+ 1·0	5	1·14	29	+ 15	*5·7*	—	*37*	0	34	53·3	−0·7	50·3	+0·9	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	74	22nd	40	19th	64·3	46·9	55·1	+ 2·6	3	1·04	26	+ 13	*5·6*	—	*36*	0	?40					*Clifton.*
a Shaftesbury	722	71	21, 22	36	19th	60·4	42·9	51·1	+ 0·7	5	0·81	21	+ 9						52·3		50·8		Shaftesbury.
a Arlington	613	71	22nd	40	16th	59·7	46·4	52·7	+ 2·8	4	0·56	14	− 2										Arlington.
a Newquay	*190*	*69*	*21st*	*44*	*16th*	*57·6*	*48·9*	*53·0*	+ *1·4*	*3*	*0·44*	*11*	+ *3*	3·1	− 4·0	20	0	42	54·6		51·8		Newquay.
a Cullompton	202	74	22nd	39	19th	62·9	47·0	54·5	+ 2·7	5	0·45	11	− 1	3·9	− 2·5	25	0	37	54·5				Cullompton.
a Portland Bill	19	74	22nd	45	16, 17	57·6	47·0	52·0	+ 0·5	4	0·39	10	—	*3·7*	—	*24*							*Weymouth.*
p Plymouth	116	74	22nd	45	16th	58·7	48·9	54·5	+ 0·8	4	0·92	23	+ 12	2·4	− 4·7	16	0	39	52·8	−2·6			Plymouth.
a Falmouth	167	67	22nd	46	16th	57·4	49·7	53·3	+ 1·6	2	0·87	22	+ 10	2·6	− 5·0	17	0	47	56·1		54·0		Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	69	22nd	42	16th	56·6	45·7	50·8	+ 1·6	2	0·71	18	+ 6	*6·9*		*43*							*Malin Head.*
a Blacksod Point ..	?	62	21st	39	16th	57·4	45·4	51·0	+ 0·4	6	0·59	15	0										
p Markree Castle ..	122	69	22nd	37	22nd	60·4	44·9	52·2	+ 2·6	6	1·31	33	+ 18	4·4	− 1·7	28	0	34	52·7		49·6		Markree Castle.
a Birr Castle	175	70	22nd	40	16th	61·4	45·9	53·2	+ 2·6	5	0·28	7	− 6	*4·5*	− *1·5*	*29*							*Birr Castle.*
b, East .. { *p* Armagh	196	71	22nd	37	16th	57·6	44·7	50·8	+ 1·2	4	0·33	8	− 6	4·5	− 1·5	28	0	36	51·8	−1·4	49·6	+0·2	Armagh.
a Donaghadee	101	59	21, 22	41	16th	54·0	44·7	49·1	− 0·6	3	0·44	11	− 2										
																	0	40	51·4	−1·5	50·1	+0·1	Trinity Coll.
														4·4	− 2·4	28	0	38					Phœnix Park.
10. IRELAND. S.																	0	41					Dublin City.
a, East .. { *p* Dublin, City	47	68	22nd	43	16th	58·4	47·6	52·7	+ 0·7	4	0·99	25	+ 13										
a Kilkenny	212	71	22nd	41	16th	59·3	48·0	53·3	+ 2·6	5	0·63	16	+ 3										
a Waterford	30	68	22nd	42	16th	58·3	47·4	52·5	+ 1·1	5	1·82	46	+ 33										
a Seskin, Carrick-on-Suir	*541*	*70*	*22nd*	*40*	*16th*	*56·7*	*45·7*	*50·9*	—	*5*	*2·53*	*64*	—	*2·6*	—	*17*	0	40					*Seskin.*
b, West .. { *a* Birr Castle	175	70	22nd	40	16th	61·4	45·9	53·2	+ 2·6	5	0·28	7	− 6	4·5	− 1·5	29							Birr Castle.
a Foynes	50	64	20th	42	16, 22	60·0	47·9	53·6	+ 1·8	6	0·42	11	− 2										
a Cahir	199	72	22nd	41	16, 22	59·4	47·1	52·9	+ 1·9	6	0·74	19	—										
a Killarney	174	69	22nd	42	16th	61·7	49·2	55·1	+ 4·1	6	1·61	41	+ 24										
a Valencia	30	61	21, 22	49	22nd	58·3	47·7	52·7	+ 1·2	6	1·26	32	+ 14	2·6	− 4·2	17							Valencia.
a Roche's Point	32	63	22nd	44	16th	56·3	48·7	52·3	+ 0·8	5	1·06	27	+ 13	2·8	—	18							Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	58	21, 22	46	16th	56·1	49·7	52·7	+ 0·7	4	0·37	9	0	2·6	− 5·0	17							Scilly.
a Jersey, St. Aubins ..	25	66	22nd	40	19th	61·9	48·7	54·9	+ 1·5	2	0·24	6	− 5	5·4	− 2·6	36							St. Heliers.
a Guernsey (Villa Carey)	180	68	22nd	41	19th	61·4	48·1	54·4	+ 1·8	3	0·30	8	− 3	5·7	− 2·6	38	0	35	56·3	+1·0	53·4	+1·6	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, May 22nd, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.							Extreme Velocities.				
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.	
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.		m/s.		m/s.	d. h. m.
1. SCOTLAND, E.														
Dyce	75	15**	—	—	—	—	6	162	0	SE.	6	20th 15h.	11	20th 9 . 25
Aberdeen*	105	37 / 52	—	—	—	—	8	160	0	SE. by S.	8	20th 12h.	12	20th 11 . 46
Edinburgh	39	31	—	—	—	—	12	156	0	SSE.	9	20th 12h.	14	20th 13 . 22
6. SCOTLAND, W.														
Eskdalemuir ..	50	22	—	—	—	—	39	129	0	NE. by E.	10	17th 8h.	15	17th 6 . 55
Paisley (Coats Obs.)	81	52	—	—	—	—	17	151	0	E.	7	17th 13h.	15	17th 15 . 2
2. ENGLAND, N.E.														
Alnwick Castle ..	70	17	—	—	—	—	1	167	0	SSE.	6	21st 15h.	10	21st 14 . 48
South Shields ..	61	12	—	—	—	—	16	146	6	SSE.	9	20th 12h.	13	20th 12 . 40
Spurn Head	40	‡	—	—	—	—	60	108	0	ENE.	9	17th 18h.	12	17th 17 . 39
3. ENGLAND, E.														
Gorleston	42	‡	—	—	17, 18	26	78	64	0	—	13	18th 14h.	18	18th 13 . 38
Shoeburyness ..	90	‡	—	—	17, 18	5	54	109	0	—	12	18th 3h.	16	18th 2 . 59
4. MIDLAND COUNTIES.														
Benson	84	‡	—	—	—	—	46	122/28	0	N. by E.	8	18th 13h.	13	18th 12 . 49
5. ENGLAND, S.E.														
Dover	40	‡	—	—	17, 18, 22	20	63	85	—	—	14	18th 13h.	20	17th 12 . 28
Warlingham ..	33	‡	—	—	—	—	3	165	0	—	6	17th 5h.	15	18th 10 . 15
Brighton	53	‡	—	—	—	—	15	153	0	—	7	18th 9h.	13	16th 23 . 12
Kew†	65	7 / 22	—	—	—	—	21	144	3	E.	6	17th 17h.	12	18th 15 . 31
South Kensington ..	92	30	—	—	—	—	—	168	0	ENE.	5	17th 15h.	10	17th 21 . 15
7. ENGLAND, N.W.														
Carnforth	56	23	—	—	—	—	2	166	0	E.	6	17th 12h.	12	17th 13 . 58
Southport	62	48	—	—	17th	10	89	69	0	ENE.	14	17th 16h.	19	17th 16 . 20
Holyhead*	40	‡	—	—	17, 18	13	69	86	0	E.	14	18th 5h.	18	18th 5 . 25
8. ENGLAND, S.W.														
Pendennis Castle* ..	65	24	—	—	19th	4	89	75	0	SSE.	12	19th 14h.	14	19th 13 . 20
Plymouth	88	2	—	—	19, 20	17	109	42	0	—	15	19th 24h.	17	19th 23 . 55
10. IRELAND, S.														
Quilty	40	‡	—	—	16, 19	4	129	32	3	—	11	16th 6h.	16	19th 7 . 44
Weaver Pt.	30	‡					Instrument	under repair.						
11. ENGLISH CHANNEL.														
Scilly*	32 / 19	‡	—	—	16.h	4	48	116	0	SE.	12	16th 22h.	17	16th 21 . 55

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting.
** Above tops of trees.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTIETH WEEK—May 16th to May 22nd, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	76	28	56·2	40·2	47·8	+ 0·1	48	+ 2	5	− 1	2	− 2	0·09	2	− 14	6·6	+0·9	40	1017
Eastern.																			
1. SCOTLAND, EAST ...	73	26	57·5	38·6	47·4	− 0·7	52	0	10	+ 4	1	− 3	0·10	2	− 11	5·5	−0·6	34	1018
2. ENGLAND, N.E.	71	30	57·3	43·6	50·0	+ 1·1	56	+ 4	0	− 3	2	− 1	0·13	3	− 7	4·9	−1·6	31	1017
3. ENGLAND, EAST ...	70	36	58·9	45·5	51·8	+ 0·9	69	+ 3	0	− 3	3	0	0·37	10	− 1	3·8	−2·8	25	1016
4. MIDLAND COUNTIES ...	78	32	61·8	43·4	52·1	+ 1·3	71	+ 4	0	− 4	3	0	0·71	18	+ 6	5·0	−1·1	32	1015
5. ENGLAND, S.E.	74	32	60·6	46·7	53·2	+ 0·9	78	+ 4	0	− 1	4	+ 1	1·45	37	+ 27	3·9	−2·9	25	1015
Western.																			
6. SCOTLAND, WEST ...	75	30	59·9	42·6	50·7	+ 0·8	61	+ 2	0	− 3	2	− 1	0·37	10	− 7	5·7	−0·8	35	1017
7. ENGLAND, N.W.	73	32	60·7	44·4	52·0	+ 1·5	70	+ 8	0	− 1	3	0	0·46	12	− 1	6·4	−0·2	41	1014
8. ENGLAND, S.W.	74	36	59·9	46·9	53·0	+ 1·3	77	+ 8	0	− 1	4	+ 1	0·80	20	+ 8	3·3	−3·6	21	1014
9. IRELAND, NORTH ...	71	37	57·9	45·2	51·2	+ 1·0	64	+ 4	0	− 1	4	+ 1	0·61	15	+ 1	4·5	−1·9	28	1013
10. IRELAND, SOUTH ...	72	40	59·2	47·7	53·1	+ 1·4	78	+ 9	0	− 1	5	+ 1	0·98	25	+ 11	3·6	−3·2	23	1011
11. ENGLISH CHANNEL ...	68	40	59·8	48·8	54·0	+ 1·0	84	+ 7	0	0	3	0	0·30	8	− 2	4·6	−3·5	30	1013

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 12 Weeks, February 28th to May 22nd, 1915.

0. SCOTLAND, NORTH ...	76	23	48·6	36·0	42·0	*	266	− 16	243	− 12	53	− 2	9·79	247	+ 1	4·1	0·0	30	1014
Eastern.																			
1. SCOTLAND, EAST ...	73	11	50·2	34·8	42·2	*	320	− 24	297	+ 20	44	− 2	4·92	125	− 22	4·7	+0·2	35	1015
2. ENGLAND, N.E.	72	20	51·4	37·6	44·2	*	389	+ 42	181	− 25	35	− 7	3·66	92	− 26	5·1	+0·3	39	1016
3. ENGLAND, EAST ...	74	22	52·5	38·3	45·1	*	448	− 1	164	− 54	35	− 6	4·50	116	+ 4	5·0	0·0	38	1016
4. MIDLAND COUNTIES ...	78	19	53·6	37·1	45·0	*	469	+ 5	205	− 25	34	− 5	4·38	111	− 13	4·6	+0·1	35	1017
5. ENGLAND, S.E.	75	22	53·2	39·5	46·1	*	484	0	131	− 20	30	− 8	5·54	144	+ 25	4·9	−0·1	37	1016
Western.																			
6. SCOTLAND, WEST ...	75	18	51·3	37·4	44·1	*	370	+ 1	195	+ 5	40	− 6	6·19	156	− 61	5·0	+0·4	38	1016
7. ENGLAND, N.W.	73	22	51·5	38·6	44·8	*	386	− 1	150	− 13	39	− 3	5·48	139	− 16	5·1	+0·5	38	1017
8. ENGLAND, S.W.	75	18	52·8	39·8	46·0	*	467	+ 4	125	0	35	− 6	5·57	141	− 33	4·6	−0·5	35	1018
9. IRELAND, NORTH ...	71	20	51·7	39·1	45·1	*	397	− 8	127	− 25	45	− 5	4·74	122	− 56	4·2	−0·2	32	1016
10. IRELAND, SOUTH ...	72	21	53·4	40·8	46·8	*	510	+ 20	97	− 16	41	− 5	4·95	127	− 65	4·4	−0·5	33	1018
11. ENGLISH CHANNEL ...	69	28	52·9	43·2	47·8	*	535	− 7	30	− 9	37	− 7	4·39	108	− 35	4·9	−1·2	38	1017

THE YEAR.—Aggregates, &c., for the Period of 20 Weeks, January 3rd to May 22nd, 1915.

0. SCOTLAND, NORTH ...	76	12	46·1	35·0	40·4	*	299	− 37	503	− 46	96	0	20·19	512	+ 11	2·9	0·0	26	1008
Eastern.																			
1. SCOTLAND, EAST ...	73	11	46·8	33·6	40·0	*	341	− 64	626	+ 13	80	+ 3	10·58	269	+ 9	3·4	0·0	31	1009
2. ENGLAND, N.E.	72	20	48·2	36·3	42·1	*	431	+ 14	403	− 71	74	+ 3	8·72	220	+ 24	3·7	0·0	33	1010
3. ENGLAND, EAST ...	74	18	49·0	36·9	42·8	*	508	− 18	381	−139	78	+ 8	10·11	258	+ 70	3·7	−0·1	32	1012
4. MIDLAND COUNTIES ...	78	19	49·8	35·7	42·6	*	541	− 13	451	− 79	69	+ 1	10·49	266	+ 46	3·5	+0·1	30	1012
5. ENGLAND, S.E.	75	15	50·0	38·0	43·9	*	585	− 2	318	− 63	66	0	13·25	340	+120	3·7	−0·1	32	1012
Western.																			
6. SCOTLAND, WEST ...	75	18	48·1	36·0	41·9	*	411	− 38	434	+ 12	80	− 2	15·72	399	− 22	3·8	+0·4	34	1010
7. ENGLAND, N.W.	73	21	48·5	37·3	42·8	*	449	− 21	344	− 41	73	− 2	13·17	334	+ 49	3·9	+0·5	34	1011
8. ENGLAND, S.W.	75	17	49·8	38·9	43·9	*	563	− 34	298	− 2	77	+ 3	15·63	397	+ 63	3·6	−0·3	32	1012
9. IRELAND, NORTH ...	71	20	48·6	37·2	42·8	*	466	− 49	352	+ 8	86	− 2	12·27	314	− 15	3·3	−0·1	29	1010
10. IRELAND, SOUTH ...	72	21	50·3	38·8	44·4	*	608	− 47	284	+ 25	86	+ 6	14·44	370	+ 5	3·6	−0·2	32	1012
11. ENGLISH CHANNEL ...	69	27	50·8	41·7	46·2	*	698	− 40	120	+ 11	82	+ 1	13·12	330	+ 52	4·0	−0·7	35	1013

W. N. SHAW, Director.
Meteorological Office, South Kensington, May 26th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 21. TWENTY-FIRST WEEK, SUNDAY, MAY 23RD, TO SATURDAY, MAY 29TH, 1915.

Price 6d.
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I.—Remarks.

The weather generally was very dry and bright. Over a large portion of southern England, and in much of Ireland there was no rain; elsewhere the conditions were rainless until the 28th, except locally in the extreme south-west of England. The duration of sunshine greatly exceeded the normal; at Douglas and Armagh by 6 hours per day. At many stations the mean daily amount was 12 hours or more, and at Douglas and some places in Wales more than 13 hours. Temperature underwent great fluctuations, but on the whole it was above the normal, except at some stations in the north-east. In England South-West and Ireland South the excess was nearly 5°. The highest point reached was 80° at Gordon Castle and Fort William on the 24th, and at Salisbury on the 25th and 26th. At Cullompton and Jersey the maximum on the 26th was 79°, and at numerous other stations 75° or above. Late in the week temperature was low for the time of year, and maximum readings below 50° were recorded at some northern and north-eastern stations. On the 27th the minimum was as low as 32° at Bawtry and Newton Rigg. Frost was experienced on the grass over a wide area, the lowest reading reported being 24° at Greenwich on the 29th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ... Warmth ...	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Very unusual	Unusual	Very unusual	Unusual
Rainfall ...	Light	Light	Moderate	Very light	Very light	Very light	Light	Light	Light	Very light	Very light	Very light
Sunshine ...	Abundant	Abundant	Abundant	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant

THE SEASON.

SPRING, 13 weeks from Feb. 28th, 1915. Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

PAST SEASONS.

SPRING, 1914. Mar. 1st–May 30th. 13 weeks. Warmth ...	3, 2, 1	6, 7, 0	8, 4, 1	8, 3, 2	6, 6, 1	7, 5, 1	5, 5, 3	5, 7, 1	8, 4, 1	6, 4, 3	6, 5, 2	9, 3, 1
Rainfall ...	5, 6, 2	5, 3, 5	4, 3, 6	4, 4, 5	4, 4, 5	5, 4, 4	6, 3, 4	4, 4, 5	7, 0, 6	5, 3, 5	4, 3, 6	6, 2, 5
Sunshine ...	4, 5, 4	4, 7, 2	3, 8, 2	6, 2, 5	4, 4, 5	4, 8, 1	4, 7, 2	4, 7, 2	4, 7, 2	4, 5, 4	4, 5, 4	4, 5, 4
SUMMER, 1914. May 31st–Aug. 29th. 13 weeks. Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks. Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, May 29th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	—	—	—	—	IRELAND, S.W. Cleggan	58	49	54·6	+1·9
Wick	45	45	45·0	-2·8	ENGLAND, N.E. Burnmouth, Berwick	46	44	44·8	-1·6
SCOTLAND, W. Ballantrae	56	52	54·2	+4 1	ENGLAND, E. Shipwash Lightship	50	45	48·9	-2·5
ENGLAND, S.W. Scilly	56	53	55·0	—	ENGLAND, S.E. Eastbourne‡	57	53	55·5	+0·9
Plymouth‡	55	53	54·3	+1·8	ENGLAND, N.W. Port Erin	54	49	50·3	+1·0
IRELAND, N.W. Sheephaven	58	52	55·0	+2·6					

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5129—19.) Wt. 160—610. 450. 6/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
p Baltasound	*31*	*69*	*24th*	*38*	*29th*	*55·1*	*44·0*	*49·2*	—	*3*	*0·10*	*3*	—	*8·2*	—	*47*	•	•	50·9	•	•	•	*Baltasound.*
a, Islands .. { *a* Lerwick ..	54	61	24th	38	29th	53·6	42·0	47·5	+ 1·6	3	0·24	6	—	7·3	+ 1·6	43	•	•	•	•	•	•	Deerness.
a Stornoway ..	51	64	24th	39	29th	56·6	44·0	49·9	+ 1·9	3	0·13	3	- 11	8·0	+ 1·7	47	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd. ..	*37*	*67*	*24th*	*41*	*29th*	*57·1*	*45·4*	*50·9*	+ *2·1*	*2*	*0·12*	*3*	—	*10·8*	—	*65*	•	•	•	•	•	•	*Castlebay.*
b, Mainland. { *a* Wick ..	81	63	24th	35	27th	53·3	42·1	47·4	- 0·6	3	0·13	3	- 8	•	•	•	•	•	•	•	•	•	
p Strathpeffer ..	200	76	24th	40	29th	64·4	45·4	54·3	+ 5·2	1	0·08	2	- 9	7·0	+ 1·4	42	•	•	•	•	•	•	Strathpeffer.
p Glencarron ..	500	76	24th	35	27th	62·2	42·4	51·7	+ 3·5	2	0·13	3	- 22	•	•	•	•	•	•	•	•	•	
p Fort Augustus ..	68	78	24th	38	27th	60·3	43·7	51·5	+ 2·3	2	0·22	6	- 6	6·4	+ 2·0	38	•	•	•	•	•	•	Fort Augustus.
p Fort William ..	171	80	24th	35	27th	66·7	43·9	54·6	+ 4·1	1	0·04	1	- 20	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																						
p Gordon Castle ..	101	80	24th	39	29th	61·4	43·1	51·7	+ 2·0	3	0·16	4	- 8	8·9	—	53	1	28	53·4	+1·9	47·3	-0·1	Crathes.
a Nairn ..	82	69	23, 24	40	29th	58·4	44·1	50·8	+ 0·8	3	0·12	3	- 7	*6·6*	—	*40*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen ..	46	69	24th	39	29th	59·1	43·6	50·9	+ 1·8	3	0·18	5	- 7	7·2	—	43	•	•	•	•	•	•	Nairn.
a Balmoral ..	930	74	23, 27	34	29th	60·3	38·4	52·9	+ 5·7	2	0·14	4	- 9	9·4	+ 3·3	56	•	•	•	•	46·6	-0·1	Aberdeen.
p Crieff ..	432	74	23rd	36	27th	64·6	41·6	52·4	+ 1·2	1	0·12	3	- 12	•	•	•	0	32	•	•	•	•	Balmoral.
														9·2	—	55	•	•	•	•	•	•	Balruddery.
a Leith ..	18	64	28th	41	29th	57·7	44·0	50·4	- 0·4	2	0·44	11	+ 1	•	•	•	•	•	•	•	•	•	
a West Linton ..	769	72	23rd	34	28th	61·7	37·7	49·0	+ 2·0	2	0·42	11	—	*7·5*	—	*46*	4	28	•	•	•	•	*West Linton.*
p Marchmont ..	498	68	23, 25	37	28th	59·9	41·3	50·0	+ 1·2	2	0·41	10	- 4	7·7	+ 1·8	47	0	33	•	•	•	•	Marchmont.
a Edinburgh ..	*441*	*65*	*24th*	*39*	*29th*	*57·7*	*43·7*	*50·3*	—	*3*	*0·41*	*10*	—	8·0	—	49	0	35	•	•	•	•	Edinburgh.
6. *a*, SCOTLAND, W.																						
a Poltalloch ..	132	78	24th	38	27th	66·7	44·3	54·8	+ 3·6	1	0·11	3	- 13	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	75	23rd	40	29th	64·9	45·9	54·8	+ 3·8	2	0·87	22	+ 7	9·0	+ 3·6	55	0	38	•	•	•	•	Glasgow.
p Rothesay‡ ..	170	73	23, 24	39	27th	64·9	46·3	55·0	+ 3·9	2	0·14	4	- 13	*12·0*	—	*73*	0	36	56·7	•	50·3	+1·5	*Rothesay.*
a Kilmarnock ..	90	77	23rd	36	28th	66·7	41·0	53·1	+ 1·9	2	0·12	3	—	*10·4*	—	*63*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell ..	170	73	23rd	33	27th	66·1	40·3	52·4	+ 1·0	2	0·03	1	- 13	•	•	•	1	29	•	•	•	•	
a Dumfries ..	160	77	25th	40	28, 29	67·4	43·9	55·0	+ 3·0	1	0·28	7	- 7	*9·7*	—	*60*	0	35	57·3	•	51·6	•	*Dumfries.*
Eskdalemuir ..	*799*	*74*	*25th*	*33*	*28th*	*61·7*	*40·3*	*50·4*	—	*2*	*0·35*	*9*	—	*9·0*	—	*55*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse ..	120	76	23rd	39	28, 29	67·7	43·6	54·9	+ 3·7	1	0·02	1	- 17	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas ..	277	72	23rd	41	29th	64·3	47·7	55·5	+ 4·7	2	0·03	1	- 13	13·3	+ 6·0	83	0	37	•	•	•	•	Douglas.
2. ENGLAND, N.E.																						
a Alnwick Castle ..	210	64	24th	34	28th	56·7	40·4	48·1	- 1·2	3	0·37	9	- 3	8·3	—	51	1	30	55·0	+2·6	50·0	+1·6	Cockle Park.
a Tynemouth ..	71	58	24th	41	28th	53·7	45·4	49·3	- 0·2	2	0·71	18	+ 8	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham ..	336	66	25th	34	28th	58·7	40·7	49·2	- 0·9	2	0·66	17	+ 6	8·2	+ 2·6	50	1	28	•	•	•	•	Durham.
a, North .. { *p* Rounton ..	249	64	25th	33	28th	57·7	40·6	48·6	- 0·7	2	0·47	12	+ 1	•	•	•	1	29	54·2	•	•	•	Rounton.
a West Witton ..	*605*	*71*	*25th*	*34*	*28th*	*60·3*	*41·9*	*50·6*	—	*2*	*0·27*	*7*	—	•	•	•	1	29	53·1	•	46·1	•	*West Witton.*
p Scarborough ..	100	60	23rd	43	29th	56·1	46·0	50·8	+ 0·3	2	0·08	2	—	6·8	—	42	•	•	•	•	48·5†	•	Scarborough.
p York ..	56	74	25th	42	24, 29	64·9	44·6	54·1	+ 1·8	2	0·29	7	- 4	9·4	+ 3·6	58	•	•	55·0	+2·3	49·9	+1·1	York.
b, South .. { *a* Spurn Head ..	26	59	25th	43	26th	55·7	45·9	50·5	- 0·4	1	0·20	5	- 4	*6·7*	—	*42*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln ..	58	72	25th	40	28th	64·1	45·9	54·5	+ 1·7	1	0·01	0	- 11	•	•	•	•	•	58·3	+4·1	50·7	+1·3	Lincoln.
a Fulbeck ..	180	71·	25th	36	28th	64·0	43·0	52·9	+ 1·0	1	0·01	0	- 11	11·2	—	70	1	30	58·1	+0·2	51·1	+0·7	Rauceby.
														9·7	—	61	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																						
p Cromer ..	196	62	29th	41	29th	58·0	45·9	51·6	+ 0·5	1	0·02	1	—	8·0	—	50	•	•	•	•	•	•	Cromer.
p Little Massingham ..	280	74	25th	38	29th	62·0	43·4	52·1	- 0·1	1	0·09	2	- 9	9·7	+ 3·0	61	0	33	•	•	•	•	Lit. Massingham
a, North .. { *a* Yarmouth ..	17	60	25th	42	29th	57·3	47·6	52·2	+ 1·0	1	0·04	1	- 9	9·6	—	60	•	•	57·4	-1·1	52·6	-0·8	Yarmouth.
a Norwich ..	93	74	25th	36	29th	63·0	45·9	53·9	+ 2·2	1	0·03	1	—	*9·9*	—	*62*	0	32	57·3	•	•	•	*Norwich.*
a Geldeston ..	37	70	25th	35	29th	62·3	45·6	53·5	+ 1·6	0	0·00	0	- 10	9·4	+ 2·3	59	•	•	•	•	•	•	Geldeston.
b, South .. { *p* Cambridge ..	41	76	25th	35	29th	67·3	44·1	55·0	+ 1·9	0	0·00	0	- 11	10·4	+ 3·8	65	1	30	57·9	+2·6	52·6	+0·4	Cambridge.
a Clacton-on-Sea ..	54	67	23rd	40	29th	61·4	48·1	54·4	+ 2·7	0	0·00	0	—	11·7	—	74	0	35	55·3	-0·2	52·4	-0·2	Clacton.
a Rothamsted ..	424	75	26th	35	29th	66·1	44·0	54·4	+ 2·3	C	0·00	0	- 11	10·9	+ 4·4	69	1	27	56·3	•	•	•	Rothamsted.
p Tottenham ..	51	78	26th	40	29th	68·7	47·3	57·4	+ 4·0	0	0·00	0	—	11·5	—	72	0	39	•	•	53·9	+1·8	Tottenham.
4. MIDLAND COUNTIES.																						
a North .. { *a* Harrogate ..	479	71	25th	36	28th	60·7	43·1	51·4	+ 1·1	2	0·37	9	- 3	9·0	—	56	1	29	53·3	+2·7	50·2	+1·6	Harrogate.
p Buxton ..	*987*	*70*	*23, 25*	*33*	*28th*	*63·1*	*40·9*	*51·3*	+ *2·7*	*1*	*0·05*	*1*	- *17*	*10·9*	—	*68*	1	28	55·3	+2·1	47·1	+0·2	*Buxton.*
														9·3	—	58	0	33	54·1	+1·7	47·8	+0·3	Sheffield.
b, East .. { *a* Bawtry ..	65	74	25th	32	27th	65·9	38·1	51·2	- 1·3	1	0·11	3	- 8	9·2	+ 3·6	58	1	29	56·1	•	51·5	•	Worksop.
a Nottingham ..	82	72	25th	41	28th	64·4	45·7	54·5	+ 2·1	0	0·00	0	- 10	10·8	—	68	0	35	56·5	+1·7	49·9	+1·7	Nottingham.
p Birmingham, Edgbsn.	535	72	25th	40	28th	65·3	45·6	54·9	+ 2·8	0	0·00	0	- 12	10·7	—	67	0	32	52·0	+1·3	47·5	+1·2	Birmingham.
a Raunds ..	203	73	25th	37	28th	65·4	43·0	53·5	+ 1·1	0	0·00	0	—	*9·4*	—	*59*	0	31	55·9	•	50·1	•	*Raunds.*
p Oxford ..	208	74	25, 26	40	28th	67·1	46·1	56·0	+ 2·7	0	0·00	0	- 10	11·0	+ 4·6	69	0	37	•	•	•	•	Oxford.
c, West .. { *a* Cheadle ..	646	72	23–25	37	28th	66·0	?45·9	?55·4	+ 4·6	0	0·00	0	- 12	•	•	•	0	38	•	•	•	•	Cheadle.
p Shrewsbury ..	191	78	24th	33	28th	69·3	40 4	51·0	+ 1·0	0	0 00	0	—	•	•	•	0	31	•	•	•	•	Shrewsbury.
a Hereford§ ..	291	73	25, 26	34	28th	67·9	43·0	54·7	+ 1·6	1	0·01	0	- 12	*11·9*	—	*75*	1	28	57·7	•	52·9	•	*Malvern.*§
a Cirencester ..	446	72	25, 26	37	29th	65·6	43·6	53·9	+ 2·2	0	0 00	0	- 12	*11·8*	+ 5·1	74	0	34	55·0	•	50·8	•	Cirencester.
a Bath ..	66	76	26th	39	28, 29	69·1	45·4	56·5	+ 3·1	0	0 00	0	- 11	12·4	—	*79*	•	•	59·6	+4·7	53·7	+0·9	Bath.
5. ENGLAND, S.E																						
a Marlborough ..	424	75	26th	36	29th	67·6	43·3	54·7	+ 4·3	0	0·00	0	- 11	12·0	—	76	0	35	59·8	+2·3	53·2	+1·0	Worthing.
a Margate ..	53	62	25th	46	29th	56·6	49·3	52·7	0·0	0	0·01	0	- 9	10·5	+ 4·4	67	0	31	58·5	•	52·2	•	Marlborough.
a Wisley, Surrey ..	150	77	26th	36	29th	68·9	44·6	56·0	+ 2·1	0	0·00	0	—	10·1	+ 3·7	64	0	42	55·8	+0·3	52·6	+1·2	Margate.
p Salisbury (Wilton) ..	180	80	25, 26	36	29th	70·1	43·9	56·2	+ 2·3	0	0·00	0	- 11	11·3	—	72	1	27	56·9	+1·0	51·8	-0·1	Wisley.
a Tunbridge Wells ..	354	74	26th	34	29th	66·0	45·6	55·2	+ 2·7	0	0·00	0	- 11	•	•	•	0	24	61·6	•	•	•	Salisbury.
														11·2	+ 4·4	71	1	29	57·5	-0·2	52·6	•	Tunbridge Wells.
a Dungeness ..	21	72	26th	45	29th	61·7	50·0	55·5	+ 2·8	0	0·00	0	- 7	•	•	•	•	•	•	•	•	•	
p Hastings ..	178	76	26th	41	29th	65·6	48·4	56·5	+ 3·3	1	0·03	1	- 8	12·4	+ 4·7	79	0	35	59·5	•	52·8	•	Littlestone.
p Southampton ..	64	79	26th	41	29th	71·0	48·4	59·0	+ 4·0	0	0·00	0	- 11	11·2	+ 4·0	71	0	32	•	•	•	•	Hastings.
a Ventnor ..	59	75	25th	44	28th	68·4	51·7	59·6	+ 5·7	0	0·00	0	- 10	12·3	+ 5·0	79	•	•	•	•	•	•	Southampton.
LONDON. *p* Kew ..	18	75	26th	41	29th	67·3	48·0	57·1	+ 3·3	0	0·00	0	- 10	11·3	+ 4·7	72	1	30	57·0	+1·3	51·8	+0·8	Ventnor.
a Westminster ..	*27*	*76*	*26th*	*41*	*29th*	*69·0*	*47·7*	*57·7*	+ *3·6*	*0*	*0·00*	*0*	- *10*	*11·2*	+ *5·7*	*71*	0	37	•	•	•	•	Kew.
a Greenwich ..	*155*	*76*	*26th*	*37*	*29th*	*68·7*	*45·7*	*56·5*	+ *2·2*	*0*	*0·00*	*0*	- *10*	*11·2*	+ *5·1*	*71*	1	24	•	•	•	•	*Westminster.*
a Hampstead ..	*450*	*74*	*26th*	*40*	*29th*	*66·6*	*44·8*	*55·1*	—	*0*	*0·00*	*0*	—	*11·1*	—	*71*	0	32	•	•	•	•	*Greenwich.*
a Camden Square ..	*110*	*82*	*26th*	*40*	*29th*	*73·3*	*47·3*	*59·5*	—	*0*	*0·00*	*0*	—	*9·8*	—	*62*	0	39	•	•	•	•	*Hampstead.*
																							Camden Square.
7. *a*, ENGLAND, N.W.																						
p Aspatria ..	250	74	23rd	39	28, 29	64·4	41·1	52·1	+ 1·6	1	0·25	6	- 8	11·7	—	73	•	•	•	•	•	•	Hoylake.
p Newton Rigg ..	559	75	25th	32	27th	65·7	38·3	51·2	+ 1·5	2	0·29	7	- 7	11·4	—	70	1	26	53·7	•	48·4	•	Aspatria.
p Stonyhurst ..	375	74	25th	38	28th	64·4	44·4	53·8	+ 2·4	2	0·09	2	- 14	11·0	+ 4·5	67	3	23	56·2	+3·1	49·2	+1·0	Newton Rigg.
p Blackpool ..	66	74	23, 25	39	28th	65·4	42·9	53·5	+ 1·8	2	0 05	1	- 11	11·0	+ 4·6	68	3	24	•	•	•	•	Stonyhurst.
a Southport ..	*37*	*74*	*23, 25*	*38*	*28th*	*65·9*	*46·0*	*55·4*	+ *3·7*	*2*	*0·03*	*1*	- *11*	12·5	+ 5·9	78	1	30	56·8	•	49·9	•	Blackpool.
a Liverpool (Bidston) ..	188	73	23rd	41	26th	64·6	47·1	55·3	+ 3·2	1	0·01	1	- 10	*12·3*	+ *5·3*	*76*	1	30	59·3	+2·3	51·0	+1·1	*Southport.*
a Hawarden Bridge ..	*22*	*74*	*23rd*	*41*	*28th*	*66·0*	*46·9*	*55·9*	+ *2·7*	*1*	*0·04*	*1*	- *9*	*11·6*	—	*73*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	77	25th	40	28th	67·0	47·7	56·8	+ 3·5	2	0·03	1	- 10	*10·7*	—	*67*	0	34	58·3	+4·6	52·2	+2·5	*Manchester (City)*
														10·9	+ *5·8*	*68*	•	•	•	•	•	•	„ *(Whit. Park)*
b, NORTH WALES.																						
p Llandudno ..	71	66	24th	42	29th	61·3	47·7	54·1	+ 1·8	0	0·00	0	- 11	12·3	+ 5·5	77	•	•	•	•	•	•	Llandudno
a Holyhead ..	15	65	23rd	44	28th	60·1	49·0	54·2	+ 2·8	1	0·01	1	- 10	*11·5*	—	*72*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed ..	*148*	*74*	*25th*	*37*	*28th*	*66·3*	*42·0*	*53·4*	+ *1·3*	*0*	*0·00*	*0*	*0*	*10·6*	—	*66*	•	•	53·1	+0·8	49·0	+0·3	*Bettws-y-Coed.*
														13·3	—	84	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														13·4	—	84							Aberystwyth.
a Llangammarch Wells	550	72	23, 25, 26	34	28th	63·3	41·7	53·3	+ 2·5	0	0·00	0	—	11·3	—	71	2	27	55·4	+2·3	49·1	+1·4	Llangammarch.
a Pembroke	149	72	23rd	43	28th	65·0	49·6	56·8	+ 5·3	0	0·00	0	- 10	11·9	+ 4·6	75	*	*	*	*	*	*	Pembroke.
p Cardiff	202	73	26th	39	28th	66·7	48·4	57·0	+ 3·4	0	0·00	0	- 14	*13·2*	—	*83*	0	33	58·0	+2·0	51·9	+1·0	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	77	26th	41	28th	69·7	47·7	58·0	+ 4·0	0	0·00	0	- 13	*11·9*	—	*76*	0	43	*	*	*	*	*Clifton.*
a Shaftesbury	722	74	26th	38	28th	65·7	44·3	54·4	+ 3·1	0	0·00	0	- 12	*	*	*	*	*	56·6	*	51·8	*	Shaftesbury.
a Arlington	613	75	26th	40	29th	67·6	48·3	57·4	+ 6·2	0	0·00	0	- 16	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*73*	*24, 25*	*42*	*28th*	*66·1*	*51·0*	*58·1*	+ *5·4*	*2*	*0·20*	*5*	- *3*	11·8	+ 4·5	77	0	33	59·8	*	52·8	*	Newquay.
a Cullompton	202	79	26th	40	28th	70·4	47·9	58·5	+ 5·4	0	0·00	0	- 12	12·1	+ 5·4	77	0	36	61·0	*	*	*	Cullompton.
a Portland Bill	19	72	23rd	42	28th	64·6	50·9	57·3	+ 4·5	0	0·00	0	—	*12·8*	—	*82*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	75	23, 26	44	28th	69·7	54·0	61·4	+ 7·4	0	0·00	0	- 12	12·6	+ 5·3	82	0	37	56·6	−0·2	*	*	Plymouth.
a Falmouth	167	75	23rd	44	28th	66·0	51·9	58·5	+ 5·5	2	0·52	13	+ 1	11·8	+ 4·0	77	0	40	62·6	*	55·6	*	Falmouth.
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	60	24th	44	27, 29	54·4	46·7	50·3	+ 0·1	0	0·00	0	- 12	*11·2*	*	*69*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	72	24th	46	28, 29	61·1	47·9	54·1	+ 2·4	2	0·08	2	- 13	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	71	24th	36	28th	65·3	42·3	53·1	+ 2·3	1	0·02	1	- 14	10·9	+ 4·8	68	0	31	56·9	*	50·5	*	Markree Castle.
a Birr Castle	175	73	23, 25	39	28th	67·0	45·4	55·6	+ 3·6	0	0·00	0	- 13	*11·4*	+ *5·4*	*71*	*	*	*	*	*	*	*Birr Castle.*
b, East .. *p* Armagh	196	72	23rd	38	28th	65·1	43·4	53·6	+ 2·5	1	0·01	0	- 15	12·2	+ 6·2	76	1	29	56·5	+1·7	50·9	+0·2	Armagh.
a Donaghadee	101	62	24th	44	27, 28	56·9	46·9	51·6	+ 0·6	0	0·00	0·1	- 13	*	*	*	*	*	*	*	*	*	*
10. IRELAND, S.														12·7	+ 5·8	79	0	38	56·6	+2·0	51·5	+0·2	Trinity Coll.
a, East .. *p* Dublin, City	47	67	23rd	43	28th	62·1	49·7	55·5	+ 2·0	0	0·00	0	- 12	*	*	*	1	30	*	*	*	*	Phœnix Park.
a Kilkenny	212	73	23rd	40	28th	67·9	47·4	57·0	+ 5·0	1	0·01	0	- 13	*	*	*	0	41	*	*	*	*	Dublin City.
a Waterford	30	74	26th	43	28th	68·3	49·6	58·4	+ 5·7	0	0·00	0	- 14	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*73*	*23rd*	*40*	*28th*	*67·6*	*47·0*	*56·7*	—	*0*	*0·00*	*0*	—	*12·0*	—	*75*	*	*	*	*	*	*	*
b, West .. *a* Birr Castle	175	73	23, 25	39	28th	67·0	45·4	55·6	+ 3·6	0	0·00	0	- 13	11·4	+ 5·4	71	0	32	*	*	*	*	*Seskin.*
a Foynes	50	72	24th	48	23rd	66·6	51·0	58·3	+ 5·2	0	0·00	0	- 13	*	*	*	*	*	*	*	*	*	Birr Castle.
a Cahir	199	74	23rd	39	28th	69·1	46·4	57·1	+ 4·6	0	0·00	0	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	76	25th	40	28th	71·3	47·4	58·6	+ 6·3	1	0·02	1	- 16	*	*	*	*	*	*	*	*	*	*
a Valencia	30	73	24th	46	23rd	67·9	50·9	58·9	+ 6·2	0	0·00	0·1	- 17	11·4	+ 4·6	72	*	*	*	*	*	*	Valencia.
a Roche's Point	32	71	23, 26	44	28th	65·3	51·1	57·8	+ 5·1	1	0·08	2	- 12	11·3	—	72	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	65	24-26	49	23, 28, 29	61·7	52·0	56·6	+ 3·2	1	0·04	1	- 8	11·6	+ 3·8	74	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	79	26th	42	29th	66·9	51·9	59·0	+ 4·4	0	0·00	0	- 11	12·4	+ 4·3	81	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	71	26th	42	29th	64·1	49·6	56·4	+ 2·6	0	0·00	0	- 11	11·9	+ 3·5	77	0	34	59·3	+2·3	51·9	+1·8	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, May 29th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.							Extreme Velocities.			
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds forces 4 and 5.	Calms and Light Airs.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.	Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.		m/s.		m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	15**	—	—	—	—	12	152	4	NNW.	7	29th 15h.	17 29th 15 . 29
Aberdeen*	105	37 / 52	—	—	—	—	30	138	0	NE. by N.	8	29th 12h.	16 29th 16 . 37
Edinburgh	39	31	—	—	—	—	20	148	0	NE. by N.	6	29th 13h.	14 29th 11 . 45
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	—	—	72	96	0	NE. by E.	10	26th 14h.	16 29th 15 . 15
Paisley (Coats Obs.)	81	52	—	—	—	—	19	149	0	NNW.	8	28th 18h.	15 26th 14 . 10
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	5	163	0	N.	6	29th 16h.	13 29th 22 . 10
South Shields ..	61	12	—	—	—	—	21	140	7	NNE.	8	29th 15h.	15 29th 21 . 57
Spurn Head	40	‡	—	—	—	—	79	89	0	NNE.	10	26th 10h.	14 26th 18 . 27
3. ENGLAND, E.													
Gorleston	42	‡	—	—	27th	7	115	46	0	—	12	27th 7h.	16 27th 9 . 2
Shoeburyness ..	90	‡	—	—	23, 24	16	85	67	0	NE.	13	23rd 15h.	18 23rd 15 . 14
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	79	89	0	NE.	10	23rd 13h.	16 23rd 13 . 55
5. ENGLAND, S.E.													
Dover	40	‡	—	—	25 to 28	79	49	49	0	—	16	27th 11h.	21 27th 15 . 5
Warlingham ..	33	‡	—	—	—	—	46	122	0	—	8	24th 10h.	15 23rd 14 . 10
Brighton	53	‡	—	—	27th	3	94	71	0	—	11	27th 3h.	18 23rd 14 . 50
Kew†	65	7 / 22	—	—	—	—	83	85	0	NE. by E.	10	23rd 15h.	16 23rd 14 . 46
South Kensington ..	92	30	—	—	—	—	23	145	0	ENE.	7	23rd 15h.	15 23rd 15 . 20
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	—	168	0	E. by N.	5	23th 16h.	11 26th 17 . 43
Southport	62	48	—	—	23, 26, 29	11	109	48	0	NW. by W.	13	29th 9h.	18 26th 16 . 46
Holyhead*	40	‡	—	—	24, 26, 27, 29	23	90	55	0	E.	14	26th 20h.	18 26th 20 . 0
8. ENGLAND, S.W.													
Pendennis Castle* ..	65	24	—	—	24, 25, 27	11	102	55	0	ENE.	13	25th 9h.	17 27th 2 . 10
Plymouth	88	2	—	—	23, 24, 27	18	122	28	0	—	13	24th 1h.	20 24th 1 . 20
10. IRELAND, S.													
Quilty	40	‡	—	—	27th	1	77	75	15	—	11	27th 4h.	17 27th 7 . 12
Weaver Pt.	30	‡	—	—	26th	1	63	24	80	—	11	26th 24h.	17 26th 21 . 5
11. ENGLAND CHANNEL.													
Scilly*	32 / 19	‡	—	—	—	—	49	119	0	E.	9	27th 4h	12 27th 4 . 20

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

** Above tops of trees.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTY-FIRST WEEK—May 23rd to May 29th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	80	35	59·6	43·4	51·0	+ 2·3	63	+ 11	0	− 4	2	− 2	0·14	3	− 11	7·2	+1·6	42	1025
Eastern.																			
1. SCOTLAND, EAST ...	80	34	61·5	41·7	51·0	+ 1·4	64	+ 5	1	− 3	2	− 1	0·25	6	− 7	8·4	+2·2	51	1025
2. ENGLAND, N.E.	74	33	59·1	43·6	50·9	+ 0·2	62	0	0	− 1	2	− 1	0·31	8	− 2	8·9	+2·5	55	1023
3. ENGLAND, EAST ...	78	35	62·9	45·8	53·8	+ 1·1	83	+ 6	0	− 1	1	− 2	0·02	1	− 10	10·2	+3·3	64	1019
4. MIDLAND COUNTIES ...	78	32	66·1	43·6	54·2	+ 1·6	85	+ 8	0	− 2	1	− 2	0·04	1	− 12	10·5	+4·5	66	1020
5. ENGLAND, S.E.	80	34	66·3	47·3	56·3	+ 2·3	100	+ 15	0	0	0	− 3	0·00	0	− 11	11·4	+4·5	72	1018
Western.																			
6. SCOTLAND, WEST ...	78	33	66·1	44·1	54·4	+ 3·2	87	+ 20	0	− 2	2	− 2	0·20	5	− 11	11·2	+4·5	68	1024
7. ENGLAND, N.W.	77	32	64·1	44·8	53·9	+ 1·8	83	+ 11	0	− 1	1	− 2	0·10	2	− 11	11·9	+5·2	74	1021
8. ENGLAND, S.W.	79	34	67·2	48·5	57·3	+ 4·2	107	+ 28	0	− 1	0	− 3	0·05	1	− 12	12·1	+5·3	77	1018
9. IRELAND, NORTH ...	73	36	61·6	45·4	53·1	+ 1·5	78	+ 10	0	− 1	1	− 3	0·02	1	− 13	11·6	+5·2	72	1024
10. IRELAND, SOUTH ...	76	39	67·3	48·8	57·5	+ 4·5	109	+ 32	0	0	1	− 2	0·01	1	− 13	11·7	+4·9	74	1022
11. ENGLISH CHANNEL ...	79	42	64·2	51·2	57·3	+ 3·0	107	+ 21	0	0	0	− 3	0·01	0	− 12	12·0	+4·0	78	1016

THE SEASON (**Spring**).—Aggregates, &c., for the Period of 13 Weeks, February 28th to May 29th, 1915.

0. SCOTLAND, NORTH ...	80	23	49·4	36·5	42·7	*	329	− 5	243	− 16	55	− 4	9·93	250	− 10	4·3	+0·1	31	1015
Eastern.																			
1. SCOTLAND, EAST ...	80	11	51·1	35·4	42·9	*	384	− 19	298	+ 17	46	− 3	5·17	131	− 29	5·0	+0·4	37	1016
2. ENGLAND, N.E.	74	20	52·0	38·0	44·7	*	451	+ 42	181	− 26	37	− 8	3·97	100	− 28	5·4	+0·4	40	1017
3. ENGLAND, EAST ...	78	22	53·3	38·9	45·7	*	531	+ 5	164	− 55	36	− 8	4·52	117	− 6	5·4	+0·3	40	1017
4. MIDLAND COUNTIES ...	78	19	54·6	37·6	45·7	*	554	+ 13	205	− 27	35	− 7	4·44	113	− 24	5·0	+0·4	37	1017
5. ENGLAND, S.E.	80	22	54·2	40·1	46·8	*	584	+ 15	131	− 20	30	−11	5·54	144	+ 14	5·4	+0·2	40	1016
Western.																			
6. SCOTLAND, WEST ...	78	18	52·5	37·9	44·8	*	457	+ 21	195	+ 3	42	− 8	6·39	161	− 72	5·5	+0·7	41	1017
7. ENGLAND, N.W.	77	22	52·5	39·0	45·5	*	469	+ 10	150	− 14	40	− 5	5·58	141	− 27	5·6	+0·8	42	1017
8. ENGLAND, S.W.	79	18	53·9	40·5	46·9	*	574	+ 32	125	− 1	35	− 9	5·62	142	− 45	5·2	0·0	39	1018
9. IRELAND, NORTH ...	73	20	52·4	39·6	45·8	*	475	+ 2	127	− 26	46	− 8	4·72	122	− 70	4·8	+0·2	35	1017
10. IRELAND, SOUTH ...	76	21	54·4	41·4	47·6	*	619	+ 52	97	− 16	42	− 7	4·87	126	− 80	4·9	−0·2	37	1018
11. ENGLISH CHANNEL ...	79	28	53·8	43·8	48·5	*	642	+ 14	30	− 9	37	−10	4·40	108	− 47	5·5	−0·7	41	1017

THE YEAR.—Aggregates, &c., for the Period of 21 Weeks, January 3rd to May 29th, 1915.

0. SCOTLAND, NORTH ...	80	12	46·7	35·4	40·9	*	362	− 26	503	− 50	98	− 2	20·33	515	0	3·1	0·0	27	1008
Eastern.																			
1. SCOTLAND, EAST ...	80	11	47·5	34·0	40·6	*	405	− 59	627	+ 10	82	+ 2	10·83	275	+ 2	3·7	+0·1	32	1009
2. ENGLAND, N.E.	74	20	48·7	36·6	42·5	*	493	+ 14	403	− 72	76	+ 2	9 03	228	+ 22	4·0	+0·2	34	1011
3. ENGLAND, EAST ...	78	18	49·7	37·3	43·4	*	591	− 12	381	−140	79	+ 6	10·13	259	+ 60	4·0	0·0	34	1012
4. MIDLAND COUNTIES ...	78	19	50·6	36·1	43·2	*	626	− 5	451	− 81	70	− 1	10·55	268	+ 35	3·8	+0·2	33	1012
5. ENGLAND, S.E.	80	15	50·8	38·4	44·4	*	685	+ 13	318	− 63	66	− 3	13·25	340	+109	4·0	0·0	35	1012
Western.																			
6. SCOTLAND, WEST ...	78	18	48·9	36·4	42·5	*	498	− 18	434	+ 10	82	− 4	15·92	404	− 33	4·1	+0·5	36	1011
7. ENGLAND, N.W.	77	21	49·2	37·7	43·3	*	532	− 10	344	− 42	74	− 4	13·27	336	+ 38	4·3	+0·7	37	1011
8. ENGLAND, S.W.	79	17	50·6	39·3	44·6	*	670	− 6	298	− 3	77	0	15·68	398	+ 51	4·0	0·0	35	1012
9. IRELAND, NORTH ...	73	20	49·3	37·6	43·3	*	544	− 39	352	+ 7	87	− 5	12·25	314	− 29	3·7	+0·2	32	1010
10. IRELAND, SOUTH ...	76	21	51·1	39·2	45·0	*	717	− 15	284	+ 25	87	+ 4	14·36	369	− 10	4·0	+0·1	34	1012
11. ENGLISH CHANNEL ...	79	27	51·4	42·2	46·7	*	805	− 19	120	+ 11	82	− 2	13·13	330	+ 40	4·4	−0·4	38	1013

W. N. SHAW, Director.
Meteorological Office, South Kensington, June 2nd, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 22. TWENTY-SECOND WEEK, SUNDAY, MAY 30TH, TO SATURDAY, JUNE 5TH, 1915.

Price 6d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

Over the greater part of England the weather was upon the whole very dry. In several parts of the country there was no measurable quantity of rain, and over a large area the fall was only a millimetre or less. In Ireland and Scotland the rain exceeded the normal, the excess being large in Ireland North. Over the major portion of the Kingdom the temperature was below the normal, the difference being more than 3° in England South-East and South-West. In the north-east of Great Britain, however, the temperature was a little above the normal. The range between the minima and maxima was very large. On May 30th or 31st the thermometer fell to 28° at Llangammarch Wells, 29° at Marlborough, and 30° or 31° at several other stations. On the 4th and 5th it rose to 75° or above in various parts of England, the highest reading being 77° in the Midland Counties. Bright sunshine varied a good deal, but was, as a whole, above the normal in England, and below it in Ireland and Scotland. In the Midland Counties and England East and South-West the mean daily excess was more than an hour, while in Scotland East the daily deficit was equally large.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient
	Rainfall ...	Moderate	Moderate	Very light	Very light	Very light	Very light	Moderate	Light	Light	Heavy	Moderate	Light
	Sunshine ...	Moderate	Scanty	Moderate	Abundant	Abundant	Moderate	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate

THE SEASON.

SUMMER. 1 week from May 30th, 1915.	Warmth ...	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1
	Rainfall ...	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	1, 0, 0	0, 1, 0	0, 0, 1
	Sunshine ...	0, 1, 0	0, 0, 1	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 0, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, June 5th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	—	—	—	—	IRELAND, S.W. Cleggan	54	50	52·7	−0·9
Wick	46	45	45·1	−3·8	ENGLAND, N.E. Burnmouth, Berwick	47	44	45·5	−2·3
SCOTLAND, W. Ballantrae	53	50	51·7	+0·7	ENGLAND, E. Shipwash Lightship	52	49	50·4	−2·6
ENGLAND, S.W. Scilly	56	55	55·7	—	ENGLAND, S.E. Eastbourne‡	56	55	55·4	−0·8
Plymouth‡	56	55	55·7	+2·0					
IRELAND, N.W. Sheephaven	55	51	52·6	−1·2	ENGLAND, N.W. Port Erin	51	49	50·0	−0·1

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5204—19.) Wt. 160—610. 480. 6/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880 GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		in.	mm.	hr.	hr.	%	°	°	°	°	°	°	
p Baltasound	*31*	*55*	*4, 5*	*37*	*30th*	*51·4*	*42·3*	*46·5*	—	*7*	*0·42*	*11*	*5·5*	—	*31*	•	•	48·9	•	•	•	*Baltasound.*
a Islands .. *a Lerwick*	54	55	4, 5	38	30th	50·6	42·0	46·0	- 0·7	6	1·06	27	7·6	+ 2·1	43	•	•	•	•	•	•	Deerness.
a Stornoway	51	59	4th	38	30th	54·6	44·3	49·1	+ 0·1	6	0·75	19	2·9	- 3·3	17	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*56*	*5th*	*40*	*30th*	*53·0*	*43·1*	*49·3*	- *0·4*	*5*	*0·64*	*16*	*3·9*	—	*23*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	61	4th	34	2nd	54·9	40·6	47·3	- 1·8	6	0·41	10	•	•	•	•	•	•	•	•	•	
b, Main- *p* Strathpeffer	200	64	4th	37	30th	59·1	44·0	51·0	+ 0·5	5	0·32	8	4·5	- 1·0	26	•	•	•	•	•	•	Strathpeffer.
land. *p* Glencarron	500	58	3rd	36	30th	54·0	42·8	48·0	- 1·5	7	1·13	29	•	•	•	•	•	•	•	•	•	•
p Fort Augustus	68	65	3rd	39	30th	59·1	45·4	51·8	+ 1·3	4	0·47	12	3·8	- 0·7	22	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	63	4th	37	30th	56·7	45·0	50·4	- 1·2	6	1·26	32	•	•	•	•	•	•	•	•	•	•
1. SCOTLAND, E.																						
p Gordon Castle	101	63	4th	43	31, 2, 5	59·1	44·1	51·1	+ 0·1	5	0·50	13	+ 1									
a Nairn	82	68	4th	39	30th	59·3	43·9	51·3	+ 0·1	6	0·49	12	+ 2									
a Aberdeen	46	70	4th	40	30th	60·4	45·1	52·2	+ 1·9	6	0·75	19	+ 8									
a Balmoral	930	69	4th	34	30, 3	61·7	40·6	51·8	+ 3·1	5	0·73	19	+ 5									
p Crieff	432	68	4th	35	30th	61·7	42·9	51·7	- 0·9	4	0·65	17	+ 2									
													3·6	—	21	0	32	51·9	-1·0	48·6	-0·1	Crathes.
													3·2	—	*19*	•	•	•	•	•	•	*Gordon Castle.*
													4·9	—	29	•	•	•	•	•	•	Nairn.
													4·4	- 1·8	26	•	•	•	•	47·9	-0·1	Aberdeen.
													•	•	•	1	30	•	•	•	•	Balmoral.
													6·3	—	37	•	•	•	•	•	•	Balruddery.
a Leith	18	70	4th	41	30th	61·7	47·0	53·8	+ 1·5	3	0·26	7	•	•	•	•	•	•	•	•	•	
a West Linton	769	65	4th	34	31st	58·1	41·4	49·2	+ 0·4	2	0·29	7	*3·5*	—	*21*	1	29	•	•	•	•	*West Linton.*
p Marchmont	498	69	5th	38	30th	62·0	43·0	51·8	+ 1·8	3	0·23	6	5·7	- 0·2	34	0	35	•	•	•	•	Marchmont.
a Edinburgh	*441*	*69*	*4th*	*39*	*30th*	*59·6*	*45·4*	*52·0*	—	*3*	*0·35*	*9*	5·6	—	33	0	38	•	•	•	•	Edinburgh.
6. *a*, SCOTLAND, W.																						
a Poltalloch	132	62	4th	30	30th	56·9	44·3	50·2	- 2·2	5	1·19	30	+ 14									
p Glasgow Observatory	189	67	4th	38	30th	59·1	46·1	52·2	0·0	3	0·77	20	+ 6									
p Rothesay‡	170	64	4th	37	30th	57·3	43·4	49·9	- 2·5	6	0·81	21	+ 4									
a Kilmarnock	90	67	4th	31	30th	60·3	43·7	51·4	- 1·0	2	0·66	17	—									
													6·3	+ 0·9	37	1	30	•	•	•	•	Glasgow.
													5·4	—	*32*	1	30	51·6	•	52·0	+1·8	*Rothesay.*
													5·8	—	*35*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	69	4th	31	30th	59·7	44·7	51·7	- 0·9	4	0·98	24	+ 10									
a Dumfries	160	65	4th	37	30th	59·4	44·6	51·5	- 1·8	3	0·36	9	- 5									
Eskdalemuir	*739*	*63*	*4, 5*	*33*	*30th*	*56·3*	*40·7*	*48·0*	—	*4*	*0·52*	*13*	*5·2*	—	*31*	0	32	54·5	•	52·9	•	*Dumfries.*
p Cally, Gatehouse	120	66	5th	32	30th	60·1	42·7	50·8	- 1·5	2	0·99	25	*4·6*	—	*27*	•	•	•	•	•	•	*Eskdalemuir.*
b, I. OF MAN. *p* Douglas	277	62	3, 5	40	30th	57·3	45·3	50·9	- 1·0	2	0·33	8	- 7									
													6·9	- 0·4	42	0	34	•	•	•	•	Douglas.
2. ENGLAND, N.E.																						
a Alnwick Castle	219	70	4th	38	30th	61·4	44·9	52·6	+ 2·1	2	0·16	4	- 8									
a Tynemouth	71	64	4th	39	30th	59·6	45·6	52·1	+ 1·2	3	0·12	3	- 7									
p Durham	336	70	4th	36	30, 31	60·9	41·9	50·7	- 0·6	2	0·10	3	- 8									
a, North .. *p* Rounton	249	73	4th	35	31st	63·4	42·0	52·0	+ 1·6	2	0·08	2	- 9									
a West Witton	*605*	*69*	*4th*	*36*	*30th*	*63·0*	*42·7*	*52·1*	—	*2*	*0·07*	*2*	—									
p Scarborough	100	68	5th	41	31st	60·9	43·3	53·1	+ 1·3	0	0·00	0	- 11									
p York	56	71	4th	38	30, 31	64·4	44·1	53·5	- 0·1	2	0·05	1	- 11									
													8·4	—	51	•	•	•	•	47·2	•	Rounton.
													6·1	+ 0·3	37	•	•	52·0	•	49·1†	•	*West Witton.*
													•	•	•	•	•	53·8	-0·3	51·1	+1·1	Scarborough.
																						York.
a Spurn Head	26	66	3, 5	40	30th	61·3	46·3	53·3	+ 1·0	0	0·00	0·1	- 9									
b, South .. *a* Lincoln	58	75	4th	36	31st	66·0	43·7	54·1	- 0·4	1	0·05	1	- 10									
a Fulbeck	180	73	4th	34	30th	65·3	41·4	52·5	- 1·0	1	0·08	2	- 9									
													5·6	—	*34*	•	•	•	•	•	•	*Spurn Head.*
													•	•	•	•	•	56·5	+0·6	52·0	+1·4	Lincoln.
													7·9	—	48	2	30	58·6	-1·0	52·4	+0·4	Rauceby.
													8·9	—	55	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																						
p Cromer	196	76	5th	40	31st	62·4	46·9	54·1	+ 1·6	1	0·03	1	—									
p Little Massingham	280	75	4th	38	30, 31	66·3	44·4	54·6	+ 1·2	1	0·02	1	- 10									
a, North .. *a* Yarmouth	17	75	5th	43	30th	62·3	48·0	54·7	+ 2·1	0	0·00	0·1	- 10									
a Norwich	93	76	5th	38	31st	67·0	44·4	54·9	+ 1·9	1	0·01	0	—									
a Geldeston	37	75	5th	35	1st	66·7	42·7	53·9	+ 0·9	0	0·00	0	- 10									
													9·2	—	56	•	•	•	•	•	•	Cromer.
													7·5	+ 0·8	46	0	31	•	•	•	•	Lit. Massingham
													9·2	—	57	•	•	57·4	-3·0	54·0	-0·9	Yarmouth.
													8·6	—	*53*	0	34	53·1	•	•	•	*Norwich.*
													8·8	+ 1·7	55	•	•	•	•	•	•	Geldeston.
p Cambridge	41	75	4, 5	31	31st	66·9	43·7	54·5	+ 0·3	1	0·01	0	- 12									
b, South .. *a* Clacton-on-Sea	54	73	5th	39	30, 31	61·1	45·4	52·7	- 0·5	0	0·00	0	—									
a Rothamsted	424	72	4th	32	31st	63·7	42·3	52·3	- 1·0	1	0·02	1	- 10									
p Tottenham	51	75	5th	37	31st	66·8	46·1	55·7	+ 1·1	0	0·00	0	—									
													7·5	+ 0·8	47	1	26	56·9	-0·5	54·0	+0·6	Cambridge.
													9·2	—	57	0	33	55·4	-1·6	53·3	-0·6	Clacton.
													7·8	+ 1·3	48	2	26	55·9	•	•	•	Rothamsted.
													7·2	—	45	0	34	•	•	55·1	+1·4	Tottenham.
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	69	4th	35	30th	62·9	42·0	51·7	+ 0·3	2	0·05	1	- 12									
p Buxton	*987*	*71*	*4th*	*35*	*30th*	*60·7*	*39·3*	*49·3*	- *0·6*	*1*	*0·12*	*3*	- *15*									
													7·7	—	47	3	28	52·2	+0·4	51·2	+1·2	Harrogate.
													7·4	—	*45*	4	27	53·7	-0·9	48·6	+0·5	*Buxton.*
													8·5	—	52	0	33	53·4	-0·2	49·1	+0·5	Sheffield.
a Bawtry	65	74	4th	35	2nd	65·1	41·1	52·3	- 1·5	1	0·04	1	- 10									
a Nottingham	82	74	4th	36	31st	66·0	42·0	53·2	- 0·6	1	0·08	2	- 9									
b, East .. *p* Birmingham, Edgbsn.	535	72	4th	36	30th	64·1	43·6	53·1	- 0·3	2	0·10	3	- 10									
a Raunds	203	77	4th	31	31st	66·3	41·7	54·5	+ 0·9	1	0·02	1	—									
p Oxford	208	72	4th	35	31st	65·4	44·9	54·4	0·0	1	0·02	1	- 10									
													7·5	+ 0·8	47	1	26	56·9	-0·5	54·0	+0·6	Cambridge.
													9·2	—	57	0	33	55·4	-1·6	53·3	-0·6	Clacton.
													7·8	+ 1·3	48	2	26	55·9	•	•	•	Rothamsted.
													7·2	—	45	0	34	•	•	55·1	+1·4	Tottenham.
													6·6	+ 0·4	43	1	27	•	•	•	•	Oxford.
a Cheadle	646	73	4th	35	30th	64·4	41·9	52·4	+ 0·5	1	0·16	4	- 9									
p Shrewsbury	191	74	4th	32	31st	65·9	39·0	51·5	- 2·7	1	0·25	6	—									
c, West .. *a* Hereford§	291	71	4th	31	31st	65·7	39·6	51·7	- 2·7	1	0·11	3	- 9									
a Cirencester	446	72	4th	32	31st	64·4	41·8	52·3	- 0·9	1	0·01	0	- 13									
a Bath	66	72	4th	32	31st	65·6	43·3	53·7	- 0·8	0	0·00	0	- 12									
													8·2	—	*51*	4	26	57·1	•	54·3	•	*Shrewsbury.*
													6·7	- 0·1	42	1	30	54·9	•	51·7	•	*Malvern.*§
													7·9	—	49	•	•	58·1	-0·1	55·1	+1·0	Cirencester.
																						Bath.
5. ENGLAND, S.E.																						
a Marlborough	424	72	5th	29	31st	64·7	39·1	51·0	- 1·7	1	0·03	1	- 11									
a Margate	53	74	5th	42	31st	61·7	47·3	54·9	- 0·1	0	0·00	0	- 9									
a Wisley, Surrey	150	75	5th	33	31st	65·6	43·1	53·0	- 2·3	1	0·03	1	—									
p Salisbury (Wilton)	180	73	4th	32	31st	64·1	41·3	51·9	- 3·3	1	0·02	1	- 11									
a Tunbridge Wells	354	70	5th	33	31st	63·7	41·4	51·8	- 2·1	0	0·00	0	- 12									
													10·3	+ 3·9	64	0	35	57·3	0·0	54·1	+1·2	Margate.
													7·6	—	48	3	23	55·6	-1·8	52·6	-0·6	Wisley.
													•	•	•	1	30	59·0	•	•	•	Salisbury.
													7·8	+ 1·0	49	2	25	56·8	-2·8	53·9	•	Tunbridge Wells.
a Dungeness	21	61	2nd	35	31st	58·0	42·7	49·8	- 4·1	0	0·00	0	- 8									
p Hastings	178	63	2nd	40	31st	58·1	45·3	51·3	- 3·1	0	0·00	0	- 9									
p Southampton	64	68	2, 4, 5	38	31st	64·0	45·4	54·1	- 2·1	1	0·03	1	- 10									
a Ventnor	59	61	2nd	42	30th	59·3	47·6	53·0	- 2·1	2	0·02	1	- 9									
													7·2	- 0·6	45	0	33	58·1	•	51·3	•	Littlestone.
													8·3	+ 1·1	52	1	28	•	•	•	•	Hastings.
													7·2	0·0	45	•	•	•	•	•	•	Southampton.
																						Ventnor.
LONDON. *p* Kew	18	74	4, 5	38	31st	66·0	45·1	54·8	- 0·3	1	0·02	0·4	- 11									
a Westminster	*27*	*74*	*5th*	*37*	*31st*	*65·9*	*44·5*	*54·5*	- *0·8*	*0*	*0·00*	*0*	- *10*									
a Greenwich	*155*	*76*	*4, 5*	*34*	*31st*	*68·3*	*43·1*	*54·8*	- *0·8*	*0*	*0·00*	*0*	- *11*									
a Hampstead	*450*	*73*	*5th*	*36*	*30th*	*63·0*	*44·1*	*53·9*	—	*0*	*0·00*	*0*	—									
a Camden Square	*110*	*78*	*5th*	*37*	*31st*	*69·1*	*46·0*	*56·8*	—	*0*	*0·00*	*0*	—									
													7·3	—	46	2	26	55·6	-1·6	52·7	+0·5	Kew.
													6·5	+ *0·9*	*41*	0	35	•	•	•	•	*Westminster.*
													7·0	+ *0·7*	44	3	20	•	•	•	•	*Greenwich.*
													7·3	—	*48*	4	23	•	•	•	•	*Hampstead.*
													6·2	—	*39*	0	36	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																						
p Aspatria	250	66	4th	36	30th	60·4	45·0	52·2	+ 0·4	2	0·38	10	- 4									
p Newton Rigg	559	66	4, 5	33	30th	60·1	39·9	49·3	- 2·1	2	0·13	3	- 11									
p Stonyhurst	375	65	2nd	37	30th	58·4	42·1	49·7	- 3·0	3	0·26	7	- 9									
p Blackpool	66	67	4th	35	30th	59·4	41·4	51·4	- 1·7	2	0·25	6	- 6									
a Southport	*37*	*67*	*2, 4*	*37*	*30th*	*61·3*	*45·6*	*53·9*	- *0·2*	*3*	*0·25*	*6*	— *6*									
a Liverpool (Bidston)	188	68	2, 4	39	30th	60·4	46·0	52·7	- 0·6	2	0·21	6	- 6									
a Hawarden Bridge	*22*	*70*	*4th*	*39*	*30, 2*	*63·4*	*44·4*	*53·8*	- 1·8	*1*	*0·10*	*3*	- *8*									
p Manchester (Whit. Pk.)	125	73	4th	38	30th	63·4	43·1	52·5	- 2·0	3	0·11	3	- 9									
													7·1	—	*43*	1	29	56·0	+0·4	54·0	+2·8	*Manchester (City)*
													7·2	+ *2·0*	*44*	•	•	•	•	•	•	" (Whit. Park)
b, NORTH WALES.																						
p Llandudno	71	67	4th	40	31st	61·6	48·1	53·3	- 0·3	2	0·26	7	- 4									
a Holyhead	15	60	3rd	43	31st	57·6	47·4	52·1	- 0·6	3	0·39	10	- 1									
p Bettws-y-Coed	*148*	*68*	*3rd*	*34*	*31st*	*63·4*	*41·6*	*51·3*	- *1·6*	*3*	*0·31*	*8*	—									
													8·5	+ 1·7	52	•	•	•	•	•	•	Llandudno.
													8·4	—	*52*	•	•	•	•	•	•	*Holyhead.*
													6·3	—	*39*	•	•	50·9	-3·1	49·6	-0·2	*Bettws-y-Coed.*
													8·7	—	51	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft.	°		°		°	°	°	°	•	in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														8·6		53	•	•	•	•	•	•	Aberystwyth.
a Llangammarch Wells	550	67	4th	28	31st	62·1	36·3	48·3	- 3·7	1	0·07	2	—	6·7	—	42	5	21	53·0	-1·5	50·0	+0·4	Llangammarch.
a Pembroke	149	58	4th	41	30th	55·6	45·7	50·3	- 2·4	2	0·21	5	- 6	7·8	+ 0·5	48	•	•	•	•	•	•	Pembroke.
p Cardiff	202	68	4th	35	31st	61·3	42·7	51·8	- 3·3	2	0·03	1	- 13	*8·6*	—	*53*	4	26	56·2	-1·4	53·1	+0·7	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	71	4th	39	31st	65·0	45·9	54·8	- 0·4	0	0·00	0	- 13	*8·0*	—	*50*	0	58	•	•	•	•	*Clifton.*
a Shaftesbury	722	67	2, 4, 5	30	5th	62·4	39·3	50·1	- 2·0	1	0·07	2	- 11	•	•	•	•	•	55·6	•	52·9	•	Shaftesbury.
a Arlington	613	67	4th	34	31st	60·7	40·7	50·0	- 2·4	3	0·20	5	- 12	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*63*	*2nd*	*37*	*1, 2*	*58 0*	*43·4*	*50·2*	*- 3·9*	*1*	*0·14*	*4*	*- 4*	9·6	+ 2·3	60	3	29	58·8	•	54·0	•	Newquay.
a Cullompton	202	73	5th	32	31st	63·3	40·7	53·5	- 0·9	1	0·13	3	- 10	7·8	+ 1·1	49	2	30	59·8	•	•	•	Cullompton.
a Portland Bill	19	62	1st	41	30th	57·1	43·3	51·3	- 2·7	1	0·04	1	—	*7·3*	—	*46*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	67	3rd	40	30, 31	61·3	45·0	52·6	- 2·7	2	0·32	8	- 4	8·4	+ 1·1	53	1	28	56·5	-2·1	•	•	Plymouth.
a Falmouth	167	62	3, 4	40	30th	60·3	45·1	52·2	- 1·9	2	0·26	7	- 6	9·5	+ 1·7	60	0	36	60·3	•	57·2	•	Falmouth.
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	61	4th	42	30th	55·7	46·6	50·8	- 0·5	3	0·72	18	+ 6	*5·4*	•	*32*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	58	3-5	40	30th	54·9	46·3	50·3	- 2·4	4	0·94	24	+ 9	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	66	4th	36	30th	59·4	44·0	51·2	- 0·7	4	1·54	39	+ 23	5·4	- 0·5	34	2	28	55·9	•	51·6	•	Markree Castle.
a Birr Castle	175	69	4th	34	31st	62·1	44·3	52·6	- 0·5	3	0·72	18	+ 5	*6·0*	+ *0·1*	*37*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	68	3, 4	35	30th	62·1	44·7	52·8	+ 0·9	4	1·23	31	+ 17	5·7	- 0·2	35	1	28	56·0	- 0·1	52·2	+0·4	Armagh.
a Donaghadee	101	68	4th	43	30th	58·6	46·6	52·2	+ 0·1	3	1·18	30	+ 17	•	•	•	•	•	•	•	•	•	•
														•	•	•	0	33	56 9	+0·9	52·9	+0·5	Trinity Coll.
10. IRELAND, S.														6·1	- 0·6	37	2	28	•	•	•	•	Phœnix Park.
a, East .. *p* Dublin, City	47	68	3rd	39	30th	61·6	48·0	54·3	- 0·2	3	0·27	7	- 4	•	•	•	0	37	•	•	•	•	Dublin City.
a Kilkenny	212	69	3rd	34	31st	62·4	43·3	52·4	- 1·0	2	0·31	8	- 5	•	•	•	•	•	•	•	•	•	•
a Waterford	30	68	3rd	37	30th	61·6	44·4	52·4	- 1·7	3	0·45	11	- 3	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*68*	*3rd*	*37*	*30, 31*	*61·3*	*43·6*	*51·8*	—	*1*	*0·30*	*8*	—	*7·3*	—	*45*	0	31	•	•	•	•	*Seskin.*
b, West .. *a* Birr Castle	175	69	4th	34	31st	62·1	44·3	52·6	- 0·5	3	0·72	18	+ 5	6·0	+ 0·1	37	•	•	•	•	•	•	Birr Castle.
a Foynes	50	67	4th	41	31st	61·9	45·9	53·3	- 0·7	3	0·59	15	+ 2	•	•	•	•	•	•	•	•	•	•
a Cahir	199	69	3, 4	31	31st	62·9	43·7	52·6	- 1·1	2	0·41	10	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	71	4th	35	31st	64·0	44·8	53·7	+ 0·1	3	0·37	9	- 8	•	•	•	•	•	•	•	•	•	•
a Valencia	30	64	4th	39	31st	58·3	46·6	52·0	- 1·8	3	1·54	39	+ 21	6·7	0·0	42	•	•	•	•	•	•	Valencia.
a Roche's Point	32	64	5th	41	30th	59·0	47·3	52·7	- 1·2	3	0·79	20	+ 5	6·5	—	41	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	60	3rd	47	30, 1, 2	53·3	48·9	53·3	- 1·3	2	0·29	7	- 3	8·9	+ 1·0	56	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	67	2nd	46	31st	60·7	48·0	53·9	- 1·8	2	0·12	3	- 9	8·6	+ 0·5	55	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	67	2nd	43	1st	62·0	47·1	54·0	- 1·2	3	0·08	2	- 10	9·0	+ 0·6	57	0	35	58·7	+0·2	55·9	+1·5	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, June 5th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.					
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.		
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.			
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr		m/s.		m/s.	d.	h. m.
1. SCOTLAND, E.																
Dyce	75	15**	—	—	—	—	28	98	38	4	SSE.	8	3rd 1h.	16	30th	7 . 55
Aberdeen*	105	37 / 52	—	—	—	—	22	85	61	0	NW. by W.	9	30th 10h.	15	4th	13 . 47
Edinburgh	39	31	—	—	2, 3	2	69	91	6	0	S. by E.	12	3rd 2h.	20	2nd	23 . 45
6. SCOTLAND, W.																
Eskdalemuir ..	50	22	—	—	—	—	68	87	13	0	WSW.	10	31st 16h.	15	2nd	21 . 37
Paisley (Coats Obs.)	81	52	—	—	—	—	28	111	29	0	WNW.	8	31st 14h.	18	31st	13 . 28
2. ENGLAND, N.E.																
Alnwick Castle ..	70	17	—	—	—	—	3	99	66	0	N. by W.	6	30th 7h.	13	30th	6 . 53
South Shields ..	61	12	—	—	—	—	28	95	45	0	SSE.	9	2nd 18h.	12	2nd	18 . 0
Spurn Head	40	‡	—	—	—	—	26	107	35	0	N. by E.	8	30th 11h.	14	30th	7 . 28
3. ENGLAND, E.																
Gorleston	42	‡	—	—	—	—	48	119	1	0	—	9	31st 17h.	12	30th	9 . 46
Shoeburyness ..	90	‡	—	—	—	—	21	119	28	0	—	7	31st 17h.	11	3rd	8 . 56
4. MIDLAND COUNTIES.																
Benson	84	‡	—	—	—	—	5	92	71	0	WSW.	7	5th 12h.	11	5th	11 . 50
5. ENGLAND, S.E.																
Dover	40	‡	—	—	—	—	—	—	—	—	—	—	— —	—	—	—
Warlingham ..	33	‡	—	—	—	—	7	101	60	0	—	7	3rd 10h.	11	5th	12 . 15
Brighton	53	6					Record defective.			168						
Kew†	65	7 / 22	—	—	—	—	4	88	73	3	SW.	6	5th 12h.	11	5th	12 . 12
South Kensington ..	92	30	—	—	—	—	—	66	102	0	SW.	4	5th 15h.	8	5th	15 . 5
7. ENGLAND, N.W.																
Carnforth	56	23	—	—	—	—	4	81	81	0	W.	6	30th 16h.	10	30th	16 . 31
Southport	62	48	—	—	—	—	98	70	0	0	WSW.	10	5th 10h.	14	5th	9 . 53
Holyhead*	40	‡	—	—	2nd	1	86	53	28	0	S by W.	11	2nd 23h.	18	2nd	22 . 32
8. ENGLAND, S.W.																
Pendennis Castle* ..	65	24	—	—	2nd	1	56	90	21	0	SW. by S.	11	2nd 24h.	14	2nd	21 . 29
Plymouth	88	2	—	—	2, 3	6	89	47	26	0	—	12	3rd 2h.	16	3rd	1 . 41
10. IRELAND, S.																
Quilty	40	‡	—	—	2nd	8	48	93	5	14	—	14	2nd 13h.	19	2nd	15 . 53
Weaver Pt.	30	‡	—	—	2nd	10	43	72	43	0	—	13	2nd 14h.	19	2nd	14 . 7
11. ENGLISH CHANNEL.																
Scilly*	32 / 19	‡	—	—	—	—	25	100	43	0	S.	9	2nd 20h.	13	2nd	18 . 13

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
** Above tops of trees.
‡ Standard mounting.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTY-SECOND WEEK—May 30th to June 5th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	65	34	55·6	43·4	49·1	− 1·1	59	− 10	0	− 2	6	+ 2	0·77	20	+ 6	4·7	−0·9	27	1014
Eastern.																			
1. SCOTLAND, EAST ...	70	34	61·0	43 5	51·6	+ 0·4	67	0	0	− 2	4	0	0·49	13	+ 1	5·1	−1·2	30	1016
2. ENGLAND, N.E.	75	34	62·6	44·0	52·7	+ 0·3	75	+ 2	0	0	1	− 2	0 07	2	− 9	7·0	+0·7	43	1018
3. ENGLAND, EAST ...	76	31	64·8	44 9	54·2	− 0·3	85	− 3	0	0	1	− 1	0·01	0	− 12	8·3	+1·3	52	1020
4. MIDLAND COUNTIES ...	77	31	65·3	41·9	52·8	− 1·6	76	− 12	0	− 1	1	− 2	0·08	2	− 11	7·3	+1·1	45	1020
5. ENGLAND, S.E.	75	29	62·5	43·7	52·5	− 3·1	74	− 21	0	0	1	− 1	0·02	1	− 11	7·6	+0·5	47	1020
Western.																			
6. SCOTLAND, WEST ...	69	30	58·8	44·4	51·1	− 1·6	64	− 12	0	− 1	3	0	0·76	19	+ 1	6·6	−0·1	40	1018
7. ENGLAND, N.W.	73	33	60·2	44·3	51·7	− 2·0	68	− 14	0	0	2	− 1	0·25	7	− 6	7·6	+0·8	46	1019
8. ENGLAND, S.W.	73	28	61·5	42·8	51·5	− 3·2	67	− 22	0	0	2	− 1	0·13	3	− 9	8·3	+1·5	52	1021
9. IRELAND, NORTH ...	69	34	58·8	45·4	51·7	− 1·3	68	− 9	0	0	4	+ 1	1 06	27	+ 13	5·6	−0·7	34	1017
10. IRELAND, SOUTH ...	71	34	61·5	45·4	52·9	− 1·5	76	− 11	0	0	3	0	0 61	15	0	6·3	−0·3	39	1020
11. ENGLISH CHANNEL ...	67	43	60·3	48·0	53·7	− 1·9	82	− 13	0	0	2	− 1	0·16	4	− 9	8·8	+0·8	56	1021

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 1 Week, May 30th to June 5th, 1915.

0. SCOTLAND, NORTH ...	65	34	55·6	43·4	49·1	*	50	− 10	0	− 2	6	+ 2	0·77	20	+ 6	4·7	−0·9	27	1014
Eastern.																			
1. SCOTLAND, EAST ...	70	34	61·0	43·5	51·6	*	67	0	0	− 2	4	0	0·49	13	+ 1	5·1	−1·2	30	1016
2. ENGLAND, N.E.	75	34	62·6	44·0	52·7	*	75	+ 2	0	0	1	− 2	0·07	2	− 9	7·0	+0·7	43	1018
3. ENGLAND, EAST ...	76	31	64·8	44·9	54·2	*	85	− 3	0	0	1	− 1	0·01	0	− 12	8·3	+1·3	52	1020
4. MIDLAND COUNTIES ...	77	31	65·3	41·9	52·8	*	76	− 12	0	− 1	1	− 2	0 08	2	− 11	7·3	+1·1	45	1020
5. ENGLAND, S.E.	75	29	62·5	43·7	52·5	*	74	− 21	0	0	1	− 1	0 02	1	− 11	7·6	+0·5	47	1020
Western.																			
6. SCOTLAND, WEST ...	69	30	58·8	44·4	51·1	*	64	− 12	0	− 1	3	0	0·76	19	+ 1	6·6	−0·1	40	1018
7. ENGLAND, N.W.	73	33	60·2	44·3	51·7	*	68	− 14	0	0	2	− 1	0·25	7	− 6	7·6	+0·8	46	1019
8. ENGLAND, S.W.	73	28	61·5	42·8	51·5	*	67	− 22	0	0	2	− 1	0·13	3	− 9	8·3	+1·5	52	1021
9. IRELAND, NORTH ...	69	34	58·8	45·4	51·7	*	68	− 9	0	0	4	+ 1	1·06	27	+ 13	5·6	−0·7	34	1017
10. IRELAND, SOUTH ...	71	34	61·5	45·4	52·9	*	76	− 11	0	0	3	0	0·61	15	0	6·3	−0·3	39	1020
11. ENGLISH CHANNEL ...	67	43	60·3	48·0	53·7	*	82	− 13	0	0	2	− 1	0·16	4	− 9	8·8	+0·8	56	1021

THE YEAR.—Aggregates, &c., for the Period of 22 Weeks, January 3rd to May 5th, 1915.

0. SCOTLAND, NORTH ...	80	12	47·2	35·7	41·3	*	412	− 36	503	− 52	104	0	21·10	535	+ 6	3·2	0·0	27	1009
Eastern.																			
1. SCOTLAND, EAST ...	80	11	48·1	34·4	41·1	*	472	− 59	627	+ 8	86	+ 2	11·32	288	+ 3	3·7	0·0	32	1010
2. ENGLAND, N.E.	75	20	49·3	37·0	43·0	*	568	+ 16	403	− 72	77	0	9·10	230	+ 13	4·1	+0·2	35	1012
3. ENGLAND, EAST ...	78	18	50·4	37·7	43·9	*	676	− 15	381	−140	80	+ 5	10·14	259	+ 48	4·2	+0·1	36	1012
4. MIDLAND COUNTIES ...	78	19	51·3	36·4	43·6	*	702	− 17	451	− 82	71	− 3	10·63	270	+ 24	4·0	+0·3	33	1013
5. ENGLAND, S.E.	80	15	51·3	38·7	44·8	*	759	− 8	318	− 63	67	− 4	13·27	341	+ 98	4·2	+0·1	36	1012
Western.																			
6. SCOTLAND, WEST ...	78	18	49·4	36·8	42·9	*	562	− 30	434	+ 9	85	− 4	16·68	423	− 32	4·3	+0·6	36	1011
7. ENGLAND, N.W.	77	21	49·7	38·0	43·7	*	600	− 24	344	− 42	76	− 5	13·52	343	+ 32	4·4	+0·7	37	1012
8. ENGLAND, S.W.	79	17	51·1	39·5	44·9	*	737	− 28	298	− 3	79	− 1	15·81	401	+ 42	4·2	+0·1	36	1013
9. IRELAND, NORTH ...	73	20	49·7	37·9	43·7	*	612	− 48	352	+ 7	91	− 4	13·31	341	− 16	3·7	+0·1	32	1011
10. IRELAND, SOUTH ...	76	21	51·6	39·5	45·4	*	793	− 26	284	+ 25	90	+ 4	14·97	384	− 10	4·1	+0·1	34	1013
11. ENGLISH CHANNEL ...	79	27	51·8	42·4	47·0	*	887	− 32	120	+ 11	84	− 3	13·29	334	+ 31	4·6	−0·3	39	1013

W. N. SHAW, Director.
Meteorological Office, South Kensington, June 9th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 23. TWENTY-THIRD WEEK, SUNDAY, JUNE 6TH, TO SATURDAY, JUNE 12TH, 1915. *Price 6d.* *Annual Subscription Post Paid £1 10s 0d.*

I.—Remarks.

The weather as a whole was very dry and warm. A little rain accompanied a thundery condition that developed over Great Britain on the 7th and 8th and at a few Irish stations later in the week, while at Skegness on the 9th the rainfall measured 25 mm. Over a very large portion of England and locally in the East of Scotland the weather was rainless. Temperature reached its maximum on the 8th in most parts of Britain. At Cromer and Norwich the thermometer touched 90°, and at several other stations in the east and south-east of England it rose to 85° or above. Over the greater part of Ireland and Scotland the highest temperature was recorded on the 12th. The lowest of the minimum temperatures were recorded on rather irregular dates, but occurred generally on the 6th and 9th. In Scotland East and Ireland North the value was as low as 35°, and in all districts except the English Channel the thermometer fell to 43° or lower. At various places in Scotland, the north-west of England and southern Ireland slight frost was recorded on the grass. Bright sunshine was more abundant in the north-east than elsewhere. In Scotland East the mean daily duration was 8·9 hours, a figure 2·8 hours per day above the normal, 2·7 hours per day more than in England South-East, and as much as 4·6 hours per day more than in the English Channel.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Moderate	Unusual	Unusual
	Rainfall ...	Moderate	Light	Very light	Very light	Light	Light	Light	Light	Light	Light	Light	Nought
	Sunshine ...	Moderate	Very abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Very scanty

THE SEASON.

SUMMER. 2 weeks from May 30th, 1915.	Warmth ...	1, 0, 1	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 0, 1	1, 0, 1	1, 0, 1	1, 0, 1	0, 2, 0	1, 1, 0	1, 0, 1
	Rainfall ...	0, 2, 0	0, 1, 1	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 1, 1	0, 0, 2	0, 0, 2	1, 0, 1	0, 1, 1	0, 0, 2
	Sunshine ...	0, 2, 0	1, 0, 1	1, 1, 0	2, 0, 0	2, 0, 0	0, 2, 0	0, 2, 0	1, 1, 0	1, 1, 0	0, 2, 0	0, 2, 0	0, 1, 1

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 8, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, June 12th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	55	51	52·9	−1·3
Wick	47	45	46·2	−3·5	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	48	46	47·3	−1·7
Ballantrae	56	51	53·7	+2 0	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	55	52	53·2	−1·6
Scilly	57	56	56·6	—	ENGLAND, S.E.				
Plymouth‡	59	56	57·6	+2·6	Eastbourne‡	58	55	56·7	−0·6
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	59	52	55·2	+0·3	Port Erin	55	50	51·5	+0·7

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5263—19.) Wt. 160—610. 450. 6/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Average.	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts.	Lowest Reading.	Mean	Difference from Average	Mean.	Difference from Average	
	Ft.	°		°		°	°	°	°		in.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
p Baltasound	*31*	*59*	*9th*	*44*	*11th*	*55·5*	*47·0*	*51·0*	—	*4*	*0·69*	*15*	—	*6·1*	—	*33*	*	*	*	*	*	*	*Baltasound*
a Islands.. *a* Lerwick	54	56	9, 10	43	7th	54·1	46·6	50·1	+ 2·4	5	0·75	19	—	5·6	+ 0·2	31	*	*	*	*	*	*	Deerness.
a Stornoway	51	63	12th	43	11th	57·9	47·1	52·1	+ 1·9	5	0·68	17	+ 4	6·1	- 0·1	35	*	*	*	*	*	*	Stornoway.
a Castlebay, Barra Isd.	*37*	*59*	*12th*	*46*	*11th*	*55·7*	*47·6*	*51·4*	+ *0·6*	*4*	*0·25*	*6*	—	*7·0*	—	*40*	*	*	*	*	*	*	*Castlebay.*
a Wick	81	64	12th	41	11, 12	59·4	44·1	51·2	+ 1·0	2	0·05	1	- 10	*	*	*	*	*	*	*	*	*	
p Strathpeffer	200	73	12th	44	11th	68·6	46·4	56·7	+ 4·9	1	0·07	2	- 9	7·9	+ 2·5	45	*	*	*	*	*	*	Strathpeffer.
p Glencarron	500	67	11, 12	41	11th	62·9	45·9	53·8	+ 3·1	4	0·22	6	- 19	*	*	*	*	*	*	*	*	*	
p Fort Augustus	68	73	11, 12	41	11th	67·3	45·7	55·8	+ 3·9	3	0·16	4	- 8	5·7	+1·2	33	*	*	*	*	*	*	Fort Augustus
p Fort William	171	71	11th	42	6th	66·4	47·1	56·1	+ 3·1	3	0·32	8	- 13	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																						
p Gordon Castle	101	74	11th	42	6th	69·4	47·1	57·5	+ 5·2	1	0·05	1	- 11	8·4	—	49	0	33	56·2	+2·2	49·7	-0·1	Crathes.
a Nairn	82	75	11th	41	11th	67·7	44·1	55·1	+ 2·7	2	0·06	1	- 9	*9·9*	—	*57*	*	*	*	*	*	*	*Gordon Castle.*
a Aberdeen	46	74	12th	47	6, 7, 9, 11	64·6	48·6	56·0	+ 4·3	1	0·24	6	- 5	9·4	+ 3·2	54	*	*	*	*	48·8	-0·3	Nairn.
a Balmoral	930	70	11, 12	32	6th	68·9	38·9	52·9	+ 2·7	0	0·00	0	- 13	*	*	*	1	29	*	*	*	*	Aberdeen.
p Crieff	432	77	12th	40	6th	68·0	45·7	56·1	+ 2·1	0	0·00	0	- 16	9·3	—	54	*	*	*	*	*	*	Balmoral.
																							Balrudderry.
a Leith	18	75	12th	46	6th	68·0	49·4	58·1	+ 4·5	1	0·01	0·2	- 10	*	*	*	*	*	*	*	*	*	
a West Linton	769	72	12th	25	6th	66·0	42·9	53·7	+ 3·5	1	0·03	1	—	*6·6*	—	*39*	1	29	*	*	*	*	*West Linton.*
p Marchmont	498	76	12th	40	6th	68·0	47·4	57·0	+ 5·5	2	0·37	9	- 4	7·9	+ 1·9	46	0	35	*	*	*	*	Marchmont.
a Edinburgh	*441*	*74*	*12th*	*43*	*6th*	*67·1*	*49·0*	*57·4*	—	*0*	*0·00*	*0*	—	9·4	—	55	0	36	*	*	*	*	Edinburgh.
6. *a* SCOTLAND, W.																						
a Poltalloch	132	69	11, 12	42	9th	64·3	46·6	54·8	+ 1·0	3	0·16	4	- 13	*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	180	72	12th	45	6th	66·0	49·6	57·2	+ 3·8	2	0·06	2	- 12	7·5	+ 2·1	44	0	35	*	*	*	*	Glasgow.
p Rothesay‡	170	69	12th	44	6th	63·1	47·4	54·7	+ 1·0	2	0·06	2	- 15	*7·7*	—	*45*	0	36	57·7	*	52·1	+0·8	*Rothesay.*
a Kilmarnock	90	72	11th	39	6th	67·3	48·1	57·0	+ 3·2	1	0·09	2	—	*8·0*	—	*47*	*	*	*	*	*	*	*Kilmarnock.*
a Colmonell	170	72	12th	40	6th	65·6	47·7	56·0	+ 2·1	1	0·07	2	- 12	*	*	*	0	39	*	*	*	*	
a Dumfries	160	75	12th	42	6th	65·6	49·1	56·8	+ 2·1	1	0·03	1	- 12	*6·4*	—	*38*	0	35	57·3	*	53·4	*	*Dumfries.*
Eskdalemuir	*799*	*71*	*12th*	*32*	*6th*	*63·6*	*43·3*	*52·7*	—	*2*	*0·17*	*4*	—	*5·7*	—	*34*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse	120	72	12th	38	6th	64·4	46·0	54·6	+ 1·0	1	0·09	2	- 15	*	*	*	*	*	*	*	*	*	
b. I. OF MAN. *p* Douglas	277	71	12th	47	6, 7, 9	61·9	49·6	55·3	+ 2·0	3	0·09	2	- 13	5·6	- 1·7	34	0	41	*	*	*	*	Douglas.
2. ENGLAND, N.E.																						
a Alnwick Castle	219	79	12th	40	6th	70·3	46·9	57·8	+ 5·8	1	0·08	2	- 10	7·0	—	41	0	37	56·4	+0·9	51·6	+0·4	Cockle Park.
a Tynemouth	71	74	12th	48	6th	64·4	49·9	56·7	+ 4·7	0	0·00	0	- 11	*	*	*	*	*	*	*	*	*	*Tynemouth.*
p Durham	336	76	12th	42	6, 9	65·3	47·0	56·9	+ 3·8	0	0·00	0	- 11	6·7	+ 1·1	40	0	36	*	*	*	*	Durham.
a North.. *p* Rounton	249	80	8th	42	6th	71·6	48·1	59·0	+ 7·0	1	0·14	4	- 8	*	*	*	0	36	58·1	*	*	*	Rounton.
a West Witton	*605*	*76*	*12th*	*41*	*10th*	*70·7*	*46·1*	*57·5*	—	*0*	*0·00*	*0*	—	*	*	*	0	38	56·7	*	48·5	*	*West Witton.*
p Scarborough	100	75	8th	46	6th	66·9	50·1	57·9	+ 4·6	0	0·00	0	- 11	8·9	—	53	*	*	*	*	50·6†	*	Scarborough.
p York	56	84	8th	46	11th	75·1	50·7	62·1	+ 6·9	0	0·00	0	- 12	7·2	+ 1·4	43	*	*	57·5	+2·2	52·1	+0·9	York.
a Spurn Head	26	81	8th	48	6, 8	64·7	50·4	57·1	+ 3·1	1	0·04	1	- 8	*7·5*	—	*45*	*	*	*	*	*	*	*Spurn Head.*
b. South.. *a* Lincoln	58	85	8th	47	12th	64·3	52·9	62·9	+ 7·0	1	0·03	1	- 10	*	*	*	*	*	64·5	+7·3	53·4	+1·6	Lincoln.
a Fulbeck	180	85	8th	44	11th	73·0	50·3	60·9	+ 5·7	2	0·03	1	- 10	9·3	—	57	0	40	64·5	-4·1	54·0	+0·8	Rauceby.
														9·4	—	57	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																						
p Cromer	196	90	8th	48	12th	68·1	52·3	59·7	+ 5·7	1	0·03	1	—	9·0	—	55	*	*	*	*	*	*	Cromer.
p Little Massingham	280	89	8th	45	12th	73·1	51·0	61·3	+ 6·4	2	0·11	3	- 9	8·4	+ 1·8	51	0	41	*	*	*	*	Lit. Massingham
a North.. *a* Yarmouth	17	71	8th	50	12th	64·0	53·3	58·3	+ 4·1	0	0·00	0·2	- 10	7·1	—	43	*	*	62·6	+0·9	55·3	-1·0	Yarmouth.
a Norwich	93	90	8th	45	12th	73·2	53·0	62·4	+ 7·9	2	0·06	2	—	*8·0*	—	*49*	0	40	61·9	*	*	*	*Norwich.*
a Geldeston	37	89	8th	42	12th	70·4	51·4	60·2	+ 5·6	2	0·04	1	- 10	7·9	+ 0·8	48	*	*	*	*	*	*	Geldeston.
p Cambridge	41	88	8th	44	12th	74·9	53·9	63·7	+ 7·6	1	0·02	1	- 11	8·3	+ 1·6	51	0	38	62·3	+3·3	55·4	+0·9	Cambridge.
b. South.. *a* Clacton-on-Sea	54	74	8th	49	12th	65·1	54·4	59·4	+ 4·7	1	0·02	1	—	6·7	—	41	0	44	60·3	+2·2	55·1	+0·1	Clacton.
a Rothamsted	424	83	8th	46	12th	72·3	52·4	61·7	+ 6·8	1	0·05	1	- 11	8·6	+ 2·1	53	0	36	61·6	*	*	*	Rothamsted.
p Tottenham	51	86	8th	48	12th	74·0	56·7	64·8	+ 8·5	2	0·20	5	—	7·6	—	47	0	47	*	*	57·1	+2·0	Tottenham.
4. MIDLAND COUNTIES.																						
a North.. *a* Harrogate	479	77	8th	44	12th	69·6	47·1	57·6	+ 4·7	0	0·00	0	- 13	8·1	—	49	0	38	55·9	+3·1	52·6	+1·6	Harrogate.
p Buxton	*987*	*77*	*8th*	*44*	*12th*	*70·9*	*49·9*	*59·7*	+ *8·1*	*0*	*0·00*	*0*	- *18*	*8·0*	—	*48*	0	35	60·3	+5·0	50·2	+1·0	*Buxton.*
														8·5	—	51	0	41	58·9	+4·1	50·5	+0·9	Sheffield.
a Bawtry	65	84	8th	42	11th	75·1	44·0	61·1	+ 5·7	0	0·00	0	- 10	8·7	+ 3·2	52	0	35	59·2	*	53·6	*	Worksop.
a Nottingham	82	82	8th	43	12th	74·1	50·9	61·7	+ 6·4	2	0·08	2	- 9	7·9	—	43	0	41	61·6	+7·0	53·2	+0·6	Nottingham.
b. East.. *p* Birmingham, Edgbas.	535	77	8th	50	9, 11	71·1	52·9	61·4	+ 6·5	1	0·04	16	+ 3	6·7	—	41	0	37	56·7	+3·8	49·7	+0·8	Birmingham.
a Raunds	203	87	7th	43	12th	73·3	50·6	61·2	+ 5·9	2	0·05	1	—	*9·6*	—	*59*	0	38	61·4	*	52·9	*	*Raunds.*
p Oxford	208	82	8th	49	7, 9, 12	73·3	53·7	63·8	+ 6·8	0	0·00	0	- 11	8·7	+ 2·2	53	0	43	*	*	*	*	Oxford.
a Cheadle	646	75	7, 8	47	9th	71·1	52·1	60·9	+ 7·3	0	0·00	0	- 14	*	*	*	*	*	*	*	*	*	Cheadle.
p Shrewsbury	191	76	8th	47	9th	73·3	50·1	60·9	+ 5·3	0	0·00	0	—	*	*	*	0	42	*	*	*	*	Shrewsbury.
c. West.. *a* Hereford§	291	77	8th	45	9th	72·1	51·0	60·8	+ 4·9	0	0·00	0	- 13	*8·0*	—	*49*	0	38	62·5	*	56·0	*	*Malvern.§*
a Cirencester	446	76	8th	45	9th	71·6	50·4	60·3	+ 5·6	1	0·31	8	- 5	7·3	+ 0·7	45	0	42	59·4	*	53·3	*	Cirencester.
a Bath	66	76	7, 8, 10	48	9th	73·6	53·4	62·8	+ 6·7	0	0·00	0	- 13	8·1	—	50	*	*	62·5	+3·0	56·1	+0·9	Bath.
5. ENGLAND, S.E.																						
a Marlborough	424	79	8th	43	12th	72·4	50·3	60·6	+ 6·4	0	0·00	0·1	- 13	5·7	—	35	0	47	61·7	+0·8	55·3	+0·5	Worthing.
a Margate	53	88	8th	51	7th	67·3	54·7	60·6	+ 6·1	2	0·11	3	- 7	7·0	+ 0·9	43	0	38	61·9	*	53·8	*	Marlborough.
a Wisley, Surrey	150	85	8th	47	12th	74·1	53·9	63·3	+ 6·5	1	0·06	2	—	5·9	- 0·5	37	0	50	63·0	+4·9	57·0	+2·9	Margate.
p Salisbury (Wilton)	180	82	8th	47	12th	74·1	52·4	62·5	+ 5·8	0	0·00	0	- 13	7·0	—	43	0	40	61·5	+2·7	54·3	-0·1	Wisley.
a Tunbridge Wells	354	82	8th	48	12th	70·4	53·3	61·3	+ 6·1	2	0·12	3	- 9	*	*	*	0	41	63·7	*	*	*	Salisbury.
														5·0	- 1·8	31	0	244	62·0	+1·2	55·6	*	Tunbridge Wells.
a Dungeness	21	70	8th	50	6th	63·7	52·7	57·8	+ 2·5	0	0·00	0	- 8	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings	178	76	8th	50	12th	68·0	54·6	60·8	+ 5·0	2	0·37	9	- 1	5·7	- 2·0	35	0	48	61·8	*	55·4	*	Hastings.
p Southampton	64	80	8th	51	12th	71·4	55·6	63·0	+ 5·2	0	0·00	0	- 11	7·1	- 0·1	44	0	44	*	*	*	*	Southampton.
a Ventnor	59	69	7, 8	50	7th	66·4	54·1	59·8	+ 3·3	1	0·17	4	- 6	5·7	- 1·2	36	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	84	8th	50	12th	73·8	56·3	64·4	+ 7·9	1	0·07	2	- 9	6·6	0 0	41	0	40	61·3	+2·9	54·0	+0·7	Kew.
a Westminster	*27*	*85*	*8th*	*52*	*13th*	*72·2*	*57·1*	*64·1*	+ *7·4*	*1*	*0·19*	*3*	- *8*	*7·2*	+ *1·6*	*45*	0	41	*	*	*	*	*Westminster.*
a Greenwich	*165*	*87*	*8th*	*48*	*13th*	*74·7*	*55·3*	*64·3*	+ *7·2*	*3*	*0·06*	*2*	- *9*	*7·2*	+ *0·8*	*45*	0	37	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*84*	*8th*	*47*	*13th*	*71·5*	*53·1*	*61·7*	—	*1*	*0·08*	*2*	—	*7·3*	—	*45*	0	34	*	*	*	*	*Hampstead.*
a Camden Square	*120*	*89*	*8th*	*50*	*12th*	*77·9*	*56·3*	*66·4*	—	*1*	*0·11*	*3*	—	*7·2*	—	*45*	0	47	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																						
p Aspatria	250	70	12th	42	6th	64·3	48·6	56·9	+ 2·6	4	0·46	12	- 2	8·1	—	49	*	*	*	*	*	*	Hoylake.
p Newton Rigg	559	75	12th	39	6th	66·7	47·0	56·2	+ 3·4	2	0·06	2	- 11	5·6	—	33	1	28	56·3	*	50·4	*	Aspatria.
p Stonyhurst	375	73	12th	47	9th	69·4	49·9	59·9	+ 4·8	0	0·00	0	- 17	7·6	+ 0·8	45	1	30	57·3	+1·0	51·4	+0·7	Newton Rigg.
p Blackpool	66	69	11, 12	48	6th	65·6	50·7	57·6	+ 3·1	0	0·00	0	- 12	6·0	- 0·5	36	0	32	*	*	*	*	Stonyhurst.
a Southport	*37*	*71*	*11th*	*47*	*11th*	*68·4*	*50·9*	*58·1*	+ *3·6*	*0*	*0·00*	*0*	- *12*	6·2	- 0·4	37	0	41	58·7	*	52·1	*	Blackpool.
a Liverpool (Bidston)	188	72	7, 11	50	9–11	68·4	52·6	60·0	+ 5·5	1	0·08	2	- 10	*7·5*	—	*45*	0	40	60·6	+0·7	56·2	+0·7	*Southport.*
a Hawarden Bridge	*22*	*75*	*12th*	*49*	*11th*	*70·6*	*52·7*	*61·0*	+ *5·3*	*0*	*0·00*	*0*	- *11*	*8·7*	—	*52*	*	*	*	*	*	*	*Liverpool.*
p Manchester (Whit. Pk.)	125	77	12th	51	9th	74·0	53·6	63·1	+ 7·3	*0*	0·00	0	- 12	*6·4*	—	*39*	0	42	60·6	+3·6	55·3	+2·7	*Manchester (City)*
														5·8	+ *0·5*	*35*	*	*	*	*	*	*	" (Whit. Park)
b. NORTH WALES.																						
p Llandudno	71	72	11th	49	6, 9, 10	65·6	51·9	58·3	+ 3·3	1	0·24	6	- 5	7·1	+ 0·4	43	*	*	*	*	*	*	Llandudno.
a Holyhead	15	66	12th	48	9th	61·9	51·4	56·3	+ 2·3	1	0·04	1	- 19	*5·4*	—	*33*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*74*	*12th*	*45*	*9th*	*67·7*	*50·3*	*58·4*	+ *4·0*	*1*	*0·02*	*1*	- *11*	*6·1*	—	*37*	*	*	56·1	+0·9	50·6	-0·2	*Bettws-y-Coed.*
														5·7	—	35	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
3. *a*, SOUTH WALES.														5·2	—	32							Aberystwyth.
a Llangammarch Wells	550	70	10-12	42	9th	68·6	49·6	58·4	+ 4·7	0	0·00	0	—	6·1	—	37	0	32	57·6	+2·2	50·7	+0·2	Llangammarch.
a Pembroke	149	69	10th	48	9th	69·7	51·1	55·6	+ 1·6	2	0·39	10	- 1	4·7	- 2·7	29							Pembroke.
p Cardiff	202	73	10th	49	9th	69·9	53·0	60·9	+ 4·2	0	0·00	0	- 14	*8·7*	—	*53*	0	45	61·2	+1·6	54·1	+0·4	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	75	7th	51	9th	72·7	55·6	63·6	+ 6·9	0	0·00	0	- 13	*7·0*	—	*43*	0	?51					*Clifton.*
a Shaftesbury	722	76	8th	46	7th	70·0	51·3	60·0	+ 6·6	0	0·00	0	- 13						60·9		54·4		Shaftesbury.
a Arlington	613	74	10th	46	9th	68·1	51·1	59·0	+ 5·4	0	0·00	0	- 17										Arlington.
a Newquay	*190*	*68*	*10th*	*44*	*9th*	*64·7*	*50·6*	*57·2*	+ *2·0*	*1*	*0·04*	*1*	- *8*	7·6	+ 0·2	47	0	40	60·7		54·7		Newquay.
a Cullompton	202	77	10th	46	9th	73·4	51·3	61·6	+ 5·8	0	0·00	0	- 12	7·0	+ 0·3	43	0	39	63·8				Cullompton.
a Portland Bill	19	66	9th	48	7th	61·1	51·7	56·1	+ 0·9	2	0·05	1	—	*6·3*	—	*39*							*Weymouth.*
p Plymouth	116	70	10th	50	10th	64·6	53·4	59·3	+ 2·6	0	0·00	0	- 12	6·9	- 0·3	43	0	41	58·4	-1·8			Plymouth.
a Falmouth	167	64	8,9, 10,11	50	9th	62·6	52·9	57·4	+ 2·0	0	0·00	0	- 13	5·6	- 2·1	35	0	45	62·6		57·7		Falmouth.
9. IRELAND. N.																							
a Malin Head	208	65	12th	47	6, 10, 11	60·6	48·1	53·9	+ 1·4	4	0·33	8	- 4	*8·2*		*49*							*Malin Head.*
a, West .. *a* Blacksod Point ..	?	66	11th	46	6th	60·0	48·0	53·6	- 0·1	3	0·20	5	- 10										
p Markree Castle ..	122	72	12th	35	10th	61·7	43·7	53·5	+ 0·5	3	0·24	6	- 10	7·4	+ 1·6	44	0	31	57·6		52·1		Markree Castle.
a Birr Castle	175	74	12th	42	9th	66·6	48·1	56·7	+ 2·3	4	0·17	4	- 9	*6·3*	+ *0·6*	*38*							*Birr Castle.*
b, East .. *p* Armagh	196	73	12th	45	9, 10	65·4	47·6	55·9	+ 2·5	1	0·01	0·3	- 14	6·7	+ 0·9	40	0	39	57·3	+0·1	53·0	+0·3	Armagh.
a Donaghadee	101	66	12th	47	6th	63·7	49·0	54·4	+ 0·7	1	0·08	2	- 11				0	40	58·7	+1·6	53·8	+0·5	Trinity Coll.
														6·9	+ 0·3	42	1	30					Phœnix Park.
10. IRELAND, S.																	0	45					Dublin City.
p Dublin, City	47	69	7th	48	9th	65·7	53·4	58·6	+ 2·6	3	0·06	2	- 9										
a, East .. *a* Kilkenny	212	72	12th	40	9th	67·0	48·9	57·3	+ 2·6	2	0·21	5	- 8										
a Waterford	30	73	12th	40	9th	65·0	51·1	57·6	+ 2·2	3	0·16	4	- 11										
a Seskin, Carrick-on-Suir	*541*	*70*	*12th*	*45*	*9th*	*63·3*	*49·0*	*55·7*	—	*3*	*0·28*	*7*	—	*6·0*	—	*37*	0	31					*Seskin.*
a Birr Castle	175	74	12th	42	9th	66·6	48·1	56·7	+ 2·3	4	0·17	4	- 9	6·3	+ 0·6	38							Birr Castle.
a Foynes	50	70	12th	44	9th	65·6	49·0	56·7	+ 1·4	1	0·02	0·4	- 14										
b, West .. *a* Cahir	199	72	12th	38	9th	66·0	47·6	56·2	+ 1·3	6	0·33	8	—										
a Killarney	174	73	12th	47	9th	67·5	51·9	59·2	+ 4·5	2	0·14	4	- 13										
a Valencia	30	67	11th	48	9th	62·1	51·6	56·5	+ 1·4	3	0·31	8	- 11	6·9	+ 0·4	42							Valencia.
a Roche's Point	32	66	12th	46	9th	61·4	52·0	56·4	+ 1·3	4	0·32	8	- 8	5·8	—	36							Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	64	11th	51	9, 10	61·7	54·1	57·6	+ 1·9	0	0·00	0·1	- 9	4·3	- 3·7	27							Scilly.
a Jersey, St. Aubins ..	25	77	7th	50	6th	68·7	54·6	61·2	+ 4·1	0	0·00	0	- 12	4·9	- 3·1	31							St. Heliers.
a Guernsey (Villa Carey)	180	76	7th	51	6, 7	66·1	53·9	59·6	+ 3·2	0	0·00	0	- 13	3·6	- 4·8	23	0	47	62·4	+2·4	56·9	+1·2	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, June 12th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.		Date and Hour.		Highest Gust with Date and Time.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr		m/s.			m/s.	d.	h. m.
1. SCOTLAND, E.																	
Dyce	75	15**	—	—	—	—	17	116	35	0	SSE.	6	9th	14h.	13	9th	14 . 17
Aberdeen*	105	37	—	—	—	—	24	71	73	0	S. by E.	8	11th	14h.	14	11th	15 . 55
		52															
Edinburgh	39	31	—	—	—	—	26	88	51	0	S.	8	7th	23h.	12	8th	18 . 5
6. SCOTLAND, W.																	
Eskdalemuir ..	50	22	—	—	—	—	30	78	60	0	SW. by S.	10	8th	16h.	13	8th	16 . 5
Paisley (Coats Obs.)	81	52	—	—	—	—	8	87	66	7	SW. by W.	6	8th	17h.	15	8th	17 . 15
2. ENGLAND, N.E.																	
Alnwick Castle ..	70	17	—	—	—	—	—	36	132	0	S. by E.	5	9th	15h.	10	7th	16 . 30
South Shields ..	61	12	—	—	—	—	8	60	100	0	SE. by S.	7	9th	16h.	10	7th	15 . 55
Spurn Head	40	†	—	—	—	—	14	92	50	12	ESE.	7	6th	16h.	10	6th	16 . 1
3. ENGLAND, E.																	
Gorleston	42	‡‡	—	—	—	—	62	106	0	0	—	8	6th	19h.	11	8th	17 . 48
Shoeburyness ..	90	‡‡	—	—	—	—	24	135	9	0	—	10	8th	17h.	15	8th	16 . 38
4. MIDLAND COUNTIES.																	
Benson	84	‡	—	—	—	—	4	105	59	0	SSE.	6	9th	17h.	11	8th	13 . 5
5. ENGLAND, S.E.																	
Dover	40	‡‡	—	—	—	—	70	52	32	14	—	10	8th	16h.	14	8th	15 . 13
Warlingham ..	33	‡‡	—	—	—	—	2	137	29	0	—	6	6th	14h.	12	11th	11 . 38
Brighton	53	6	—	—	—	—	16	79	73	0	—	8	11th	2h.	11	11th	2 . 4
Kewt	65	7	—	—	—	—	5	120	43	0	E.	6	11th	16h.	10	8th	13 . 39
		22															
South Kensington ..	92	30	—	—	—	—	—	104	64	0	S.	4	8th	18h.	9	11th	15 . 55
7. ENGLAND, N.W.																	
Carnforth	56	23	—	—	—	—	—	30	138	0	WSW.	4	8th	16h.	8	8th	20 . 50
Southport	62	48	—	—	—	—	34	140	4	0	W by S.	9	8th	24h.	13	8th	15 . 30
Holyhead*	40	‡	—	—	—	—	58	42	68	0	SW. by S	10	8th	15h.	14	8th	13 . 43
8. ENGLAND, S.W.																	
Pendennis Castle* ..	65	24	—	—	12th	2	26	90	43	7	SSE.	12	12th	11h.	14	12th	11 . 10
Plymouth	88	2	—	—	12th	5	74	42	47	0	—	13	12th	14h.	18	12th	15 . 50
10. IRELAND, S.																	
Quilty	40	‡‡‡	—	—	—	—	88	80	0	0	—	11	6th	15h.	15	6th	14 . 58
Weaver Pt.	30	‡‡‡	—	—	—	—	46	81	26	15	—	9	8th	15h.	14	8th	9 . 37
11. ENGLISH CHANNEL.																	
Scilly*	32	‡‡	—	—	—	—	18	82	68	0	E. by S.	11	12th	19h.	15	12th	19 . 18
	19																

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting.
** Above tops of trees.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperatur (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTY-THIRD WEEK—June 6th to June 12th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	73	41	62·4	46·1	53·7	+ 2·4	82	+ 15	0	− 1	3	0	0·32	8	− 6	6·3	+0·7	36	1016
Eastern.																			
1. SCOTLAND, EAST ...	77	32	67·6	45·5	55·8	+ 3·3	97	+ 23	0	− 1	1	− 1	0·10	2	− 9	8·9	+2·8	52	1016
2. ENGLAND, N.E.	85	40	69·8	49·6	59·0	+ 5·5	119	+ 39	0	0	1	− 2	0·04	1	− 10	8·1	+1·9	48	1018
3. ENGLAND, EAST ...	90	42	70·6	53·2	61·3	+ 5·9	135	+ 41	0	0	1	− 2	0·06	2	− 11	8·0	+1·2	49	1018
4. MIDLAND COUNTIES ...	87	42	72·6	51·0	61·0	+ 5·5	133	+ 38	0	0	1	− 1	0·10	2	− 10	8·0	+1·8	49	1017
5. ENGLAND, S.E.	88	43	70·2	53·8	61·4	+ 4·9	136	+ 34	0	0	1	− 2	0·09	2	− 11	6·2	−0·7	38	1018
Western.																			
6. SCOTLAND, WEST ...	75	38	64·8	48·0	55·8	+ 1·7	97	+ 13	0	0	2	− 1	0·08	2	− 13	6·6	−0·1	39	1017
7. ENGLAND, N.W.	77	39	67·0	50·7	58·3	+ 3·5	114	+ 25	0	0	1	− 2	0·11	3	− 8	6·6	−0·3	40	1017
8. ENGLAND, S.W.	77	42	67·3	52·1	59·2	+ 3·4	120	+ 23	0	0	1	− 2	0·04	1	− 12	6·2	−0·8	38	1017
9. IRELAND, NORTH ...	74	35	63·0	47·4	54·7	+ 0·6	89	+ 5	0	0	3	0	0·17	4	− 10	7·1	+1·0	42	1016
10. IRELAND, SOUTH ...	74	38	65·2	50·3	57·2	+ 1·7	106	+ 11	0	0	3	0	0·19	5	− 9	6·5	0·0	40	1016
11. ENGLISH CHANNEL ...	77	50	65·5	54·2	59·5	+ 2·9	123	+ 21	0	0	0	− 3	0·00	0	− 11	4·3	−3·7	27	1017

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 2 Weeks, May 30th to June 12th, 1915.

0. SCOTLAND, NORTH ...	73	34	59·0	44·8	51·4	*	132	+ 5	0	− 3	9	+ 2	1·03	28	0	5·5	−0·1	32	1015
Eastern.																			
1. SCOTLAND, EAST ...	77	32	64·3	44·5	53·7	*	164	+ 23	0	− 3	5	− 1	0·59	15	− 8	7·0	+0·8	41	1016
2. ENGLAND, N.E.	85	34	66·2	46·8	55·9	*	194	+ 41	0	0	2	− 4	0·11	3	− 19	7·5	+1·2	46	1018
3. ENGLAND, EAST ...	90	31	67·7	49·1	57·8	*	220	+ 38	0	0	2	− 3	0·07	2	− 23	8·1	+1·2	50	1019
4. MIDLAND COUNTIES ...	87	31	69·0	46·5	56·9	*	209	+ 26	0	− 1	2	− 3	0·18	4	− 21	7·7	+1·5	47	1019
5. ENGLAND, S.E.	88	29	66·4	48·8	57·0	*	210	+ 13	0	0	2	− 3	0·11	3	− 22	6·9	−0·1	43	1019
Western.																			
6. SCOTLAND, WEST ...	75	30	61·8	46·2	53·5	*	161	+ 1	0	− 1	5	− 1	0·84	21	− 12	6·6	−0·1	39	1018
7. ENGLAND, N.W.	77	33	63·6	47·5	55·0	*	182	+ 11	0	0	3	− 3	0·36	10	− 14	7·1	+0·3	43	1018
8. ENGLAND, S.W.	77	28	64·4	47·5	55·4	*	187	+ 1	0	0	3	− 3	0·17	4	− 21	7·3	+0·4	45	1019
9. IRELAND, NORTH ...	74	34	60·9	46·4	53·2	*	157	− 4	0	0	7	+ 1	1·23	31	+ 3	6·3	+0·1	38	1017
10. IRELAND, SOUTH ...	74	34	63·3	48·0	55·1	*	182	0	0	0	6	0	0·80	20	− 9	6·4	−0·2	39	1018
11. ENGLISH CHANNEL ...	77	43	62·9	51·1	56·6	*	205	+ 8	0	0	2	− 4	0·16	4	− 20	6·6	−1·4	42	1019

THE YEAR.—Aggregates, &c., for the Period of 23 Weeks, January 3rd to June 12th, 1915.

0. SCOTLAND, NORTH ...	80	12	47·8	36·2	41·8	*	494	− 21	503	− 53	107	0	21·42	543	0	3·3	0·0	28	1009
Eastern.																			
1. SCOTLAND, EAST ...	80	11	49·0	34·9	41·7	*	569	− 36	627	+ 7	87	+ 1	11·42	290	− 6	4·0	+0·2	33	1010
2. ENGLAND, N.E.	85	20	50·2	37·5	43·7	*	687	+ 55	403	− 72	78	− 2	9·14	231	+ 3	4·3	+0·3	36	1012
3. ENGLAND, EAST ...	90	18	51·3	38·4	44·6	*	811	+ 26	381	−140	81	+ 3	10·20	261	+ 37	4·3	+0·1	36	1012
4. MIDLAND COUNTIES ...	85	19	52·2	37·0	44·4	*	835	+ 21	451	− 82	72	− 4	10·73	272	+ 14	4·1	+0·3	34	1013
5. ENGLAND, S.E.	88	15	52·2	39·3	45·5	*	895	+ 26	318	− 63	68	− 6	13·36	343	+ 87	4·3	+0·1	36	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	50·1	37·2	43·4	*	659	− 17	434	+ 9	87	− 5	16·76	425	− 45	4·4	+0·6	36	1011
7. ENGLAND, N.W.	77	21	50·5	38·5	44·3	*	714	+ 1	344	− 42	77	− 7	13 63	346	+ 24	4·5	+0·7	36	1012
8. ENGLAND, S.W.	79	17	51·8	40·0	45·5	*	857	− 5	298	− 3	80	− 3	15·85	402	+ 30	4·3	0·0	36	1013
9. IRELAND, NORTH ...	74	20	50·3	38·3	44·1	*	701	− 43	352	+ 7	94	− 4	13·48	345	− 26	3·9	+0·2	32	1011
10. IRELAND, SOUTH ...	76	21	52·2	40·0	45·9	*	899	− 15	284	+ 25	93	+ 4	15·16	389	− 19	4·2	+0·1	35	1013
11. ENGLISH CHANNEL ...	79	27	52·4	42·9	47·5	*	1010	− 11	120	+ 11	84	− 6	13·29	334	+ 20	4·6	−0·5	38	1013

W. N. SHAW, Director.
Meteorological Office, South Kensington, June 16th, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 93

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 24. TWENTY-FOURTH WEEK, SUNDAY, JUNE 13TH, TO SATURDAY, JUNE 19TH, 1915. *Price 6d. Annual Subscription Post free £1 10s. 0d.*

I.—Remarks.

Extremely dry weather was experienced in all parts of the Kingdom. Except very locally in the south-west of England, Ireland, and the West of Scotland there was no rain and the sky was almost cloudless. In Scotland the mean daily duration of bright sunshine exceeded 12 hours, and was as much as 11·9 hours in England North-West. At Deerness the daily mean was 13·3 hours, or 8·3 hours more than the average, and at Aberdeen 13·6 hours, or 7·4 hours more than the normal. At Valencia and in the English Channel, however, there was less sunshine than usual. At Scilly the mean daily amount was only 4·6 hours against a normal of 8·1 hours. The percentage of the possible duration ranged from 72 in Scotland East and 71 in Scotland West and England North-West to 53 in England East and Ireland South and to 43 in the English Channel. Temperature was below the average in all the eastern and north-eastern districts, the greatest divergence being about 2° in England East and North-East, but in all the western districts it was above it—as much as 2°·4 in Ireland South. The maximum readings for the period occurred early in the week and were as high as 78° in Scotland North, the Midland Counties, and England South-East, while the minima were recorded on the 18th and 19th, and were very low for the time of year. In Scotland East (at Balmoral) the reading was 28°, in England North-East (at Durham) 31°, and in the Midland Counties and England North-West 32°. Sharp frost was experienced on the grass over a very large area, including the Southern parts of England.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Nought	Nought	Nought	Nought	Nought	Nought	Very light	Nought	Very light	Very light	Very light	Light
	Sunshine ...	Very abundant	Very abundant	Abundant	Abundant	Very abundant	Very abundant	Very abundant	Very abundant	Abundant	Very abundant	Abundant	Scanty

THE SEASON.

SUMMER. 3 weeks from May 30th, 1915.	Warmth ...	1, 1, 1	1, 1, 1	1, 1, 1	1, 1, 1	1, 2, 0	1, 0, 2	1, 1, 1	1, 1, 1	1, 1, 1	1, 2, 0	2, 1, 0	1, 1, 1
	Rainfall ...	0, 2, 1	0, 1, 2	0, 0, 3	0, 0, 3	0, 0, 3	0, 0, 3	0, 1, 2	0, 0, 3	0, 0, 3	1, 0, 2	0, 1, 2	0, 0, 3
	Sunshine ...	1, 2, 0	2, 0, 1	2, 1, 0	3, 0, 0	3, 0, 0	1, 2, 0	1, 2, 0	2, 1, 0	2, 1, 0	1, 2, 0	1, 2, 0	0, 1, 2

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, June 19th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	57	52	54·9	0·0
Wick	48	47	47·8	-2·6	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	49	47	47·7	-2·1
Ballantrae	58	53	56·1	+4 0	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	56	53	54·2	-1·2
Scilly	57	55	56·2	—	ENGLAND, S.E.				
Plymouth‡	60	58	58·9	+3·0	Eastbourne‡	59	58	58·5	+0·5
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	62	56	58·6	+3·0	Port Erin	55	51	52·2	+0·7

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5310—19.) Wt. 160—610. 450. 6/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
											in.	mm.	mm.	hr.	hr.	%							
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°									°	°	°	°	°	
p Baltasound	*37*	*56*	*14, 15*	*41*	*18, 19*	*52·4*	*43·0*	*47·4*	—	*0*	*0·00*	*0*	—	*7·6*	—	*41*							*Baltasound.*
a, Islands .. a Lerwick	54	59	15th	40	17, 19	53·3	42·7	47·6	- 1·1	0	0·00	0	—	13·3	+ 8·1	74							Deerness.
a Stornoway	51	65	15, 16	41	18, 19	50·3	45·7	52·5	+ 1·0	0	0·00	0	- 13	13·5	+ 7·3	75							Stornoway.
a Castlebay, Barra Isd.	*37*	*70*	*16th*	*50*	*13, 18*	*63·6*	*52·1*	*57·5*	+ 5·3	*0*	*0·00*	*0*	—	*12·0*	—	*69*							*Castlebay.*
b, Mainland. a Wick	81	57	18, 19	36	18th	53·4	43·6	48·2	- 3·3	0	0·00	0	- 11	•	•	•							
p Strathpeffer	200	73	16th	38	14th	63·4	42·7	52·3	- 1·0	0	0·00	0	- 11	11·2	+ 5·8	64							Strathpeffer.
p Glencarron	500	75	16th	38	18, 19	65·5	42·1	53·0	+ 1·0	0	0·00	0	- 24	•	•	•							
p Fort Augustus	68	73	19th	39	19th	62·1	45·0	53·0	- 0·1	0	0·00	0	- 12	10·0	+ 5·5	57							Fort Augustus.
p Fort William	171	78	16th	39	18, 19	71·7	44·0	56·9	+ 2·6	0	0·00	0	- 21	•	•	•							
1. SCOTLAND, E.																							
p Gordon Castle	101	70	16th	34	19th	63·7	38·6	50·3	- 3·4	0	0·00	0	- 12	12·8	—	73	2	29	57·4	+2·6	51·5	+0·5	Crathes.
a Nairn	*82*	*67*	*16th*	*33*	*14th*	*61·0*	*40·4*	*50·0*	- 3·6	*1*	*0·01*	*0·2*	- 10	*14·0*	—	*80*							*Gordon Castle.*
a Nairn	82	67	16th	33	14th	61·0	40·4	50·0	- 3·6	1	0·01	0·2	- 10	12·9	—	73							Nairn.
a Aberdeen	48	63	19th	39	18th	59·7	43·9	51·3	- 1·4	0	0·00	0	- 11	13·6	+ 7·4	77					50·6	+0·6	Aberdeen.
a Balmoral	930	70	18th	28	18th	70·6	36·6	52·4	+ 0·9	0	0·00	0	- 12	•	•	•	4	25	•	•	•	•	Balmoral.
p Crieff	432	74	15th	37	18th	67·4	42·1	53·9	- 1·3	0	0·00	0	- 16	12·2	—	71	•	•	•	•	•	•	Balruddery.
a Leith	18	68	19th	41	18th	60·9	46·7	53·3	- 1·4	0	0·00	0	- 10	•	•	•	•	•	•	•	•	•	
a West Linton	769	72	16th	20	18th	64·7	36·3	49·5	- 2·4	0	0·00	0	—	*11·7*	—	*68*	3	22	•	•	•	•	*West Linton.*
p Marchmont	498	66	16th	38	18th	61·1	43·0	51·4	- 1·2	0	0·00	0	- 13	11·9	+ 5·8	70	1	30	•	•	•	•	Marchmont.
a Edinburgh	*441*	*67*	*19th*	*42*	*14, 18*	*60·0*	*44·7*	*51·8*	—	*0*	*0·00*	*0*	—	12·1	—	71	0	31	•	•	•	•	Edinburgh.
6. a, SCOTLAND, W.																							
a Poltalloch	132	75	13th	40	18, 19	70·7	45·3	57·1	+ 1·7	1	0·02	1	- 16	•	•	•							
p Glasgow Observatory	180	75	16th	41	18th	67·3	46·4	56·1	+ 1·4	0	0·00	0	- 15	12·1	+ 6·7	71	0	31	•	•	•	•	Glasgow.
p Rothesay‡	170	74	16th	42	18th	66·4	47·3	56·2	+ 1·2	2	0·03	1	- 16	*12·8*	—	*75*	0	39	59·4	•	53·7	+1·6	*Rothesay.*
a Kilmarnock	90	75	15th	40	19th	71·0	44·0	56·6	+ 1·7	0	0·00	0	—	*12·6*	—	*74*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	72	13th	39	15, 18	66·6	42·6	53·8	- 1·1	0	0·00	0	- 14	•	•	•	0	36	•	•	•	•	
a Dumfries	160	76	16th	37	18th	68·9	43·9	55·5	- 0·8	0	0·00	0	- 13	*13·7*	—	*74*	1	30	60·7	•	55·3	•	*Dumfries.*
Eskdalemuir	*799*	*71*	*16th*	*32*	*18th*	*63·6*	*39·9*	*50·9*	—	*0*	*0·00*	*0*	—	*13·6*	—	*74*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	75	13th	39	18, 19	68·1	43·7	55·1	+ 0·3	0	0·00	0	- 17	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. p Douglas	277	72	13th	47	18th	63·7	50·1	56·4	+ 1·7	0	0·00	0	- 15	12·0	+ 4·7	71	0	41	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	64	19th	38	18th	59·7	43·1	50·8	- 2·7	0	0·00	0	- 11	10·7	—	63	0	32	59·6	+3·6	53·6	+1·3	Cockle Park.
a Tynemouth	71	74	13th	43	19th	59·9	48·1	53·6	+ 0·2	0	0·00	0	- 12	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	66	13th	31	19th	61·7	42·4	51·4	- 3·3	0	0·00	0	- 11	9·9	+ 4·2	59	1	28	•	•	•	•	Durham.
a, North .. p Rounton	249	65	16th	35	19th	59·9	42·3	50·5	- 3·0	0	0·00	0	- 11	•	•	•	0	31	58·4	•	•	•	Rounton.
a West Witton	*605*	*70*	*16th*	*35*	*19th*	*63·0*	*44·4*	*53·1*	—	*0*	*0·00*	*0*	—	•	•	•	1	30	57·6	•	50·1	•	*West Witton.*
p Scarborough	100	62	19th	44	19th	59·0	47·9	53·1	- 1·5	0	0·00	0	- 11	8·8	—	52	•	•	•	•	52·3†	•	Scarborough.
p York	56	72	16th	39	19th	65·9	47·1	55·9	- 0·6	0	0·00	0	- 12	10·7	+ 4·9	64	•	•	58·4	+2·0	53·6	+1·2	York.
b, South .. a Spurn Head	26	61	13th	45	19th	58·9	48·0	53·1	- 1·6	0	0·00	0	- 9	*6·8*	—	*41*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	69	13, 16	41	19th	64·4	46·4	54·8	- 2·7	0	0·00	0	- 11	•	•	•	•	•	63·9	+6·4	55·7	+2·6	Lincoln.
a Fulbeck	180	72	12th	36	18th	64·6	42·9	53·0	- 3·7	0	0·00	0	- 11	9·5	—	57	0	37	63·3	+3·1	55·6	+1·2	Rauceby.
														7·8	—	47	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	67	13th	48	16–19	59·3	48·7	53·6	- 1·8	0	0·00	0	—	5·5	—	33	•	•	•	•	•	•	Cromer.
p Little Massingham	280	68	13th	41	16th	62·3	44·1	52·6	- 3·9	0	0·00	0	- 13	8·6	+ 2·0	52	0	36	•	•	•	•	Lit. Massingham
a, North .. a Yarmouth	17	65	13th	49	13, 17, 19	59·9	49·6	54·4	- 1·1	0	0·00	0	- 10	6·6	—	40	•	•	62·1	+0·5	57·3	-0·3	Yarmouth.
a Norwich	93	73	13th	41	16, 17	63·3	45·4	53·7	- 2·3	0	0·00	0	—	*8·2*	—	*50*	0	36	60·7	•	•	•	*Norwich.*
a Geldeston	37	71	13th	40	16th	61·7	45·1	54·8	- 3·1	0	0·00	0	- 11	7·9	+ 0·9	48	•	•	•	•	•	•	Geldeston.
b, East .. p Cambridge	41	75	13th	35	19th	67·4	43·6	54·7	- 2·9	0	0·00	0	- 12	10·3	+ 3·6	63	1	30	62·2	+3·0	57·1	-2·5	Cambridge.
a Clacton-on-Sea	54	64	13th	46	16th	58·4	48·6	53·2	- 3·1	0	0·00	0	—	5·8	—	58	0	42	57·7	-0·6	56·0	+0·1	Clacton.
a Rothamsted	424	72	13th	39	19th	65·7	43·4	53·8	- 2·6	0	0·00	0	- 12	10·2	+ 3·8	63	2	29	60·8	•	•	•	Rothamsted.
p Tottenham	51	73	13th	41	19th	68·9	46·9	57·1	- 0·6	0	0·00	0	—	10·5	—	64	0	40	•	•	58·9	+2·5	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	70	16th	35	19th	63·6	43·4	52·8	- 1·6	0	0·00	0	- 14	9·6	—	57	0	31	56·5	+2·3	54·1	+1·9	Harrogate.
p *Buxton*	*987*	*70*	*13th*	*33*	*19th*	*64·1*	*41·1*	*51·8*	- *1·2*	*0*	*0·00*	*0*	- *18*	*10·2*	—	*61*	1	23	61·2	+5·9	52·4	+2·2	*Buxton.*
														8·5	—	51	0	31	57·0	+1·2	52·1	+1·4	Sheffield.
a Bawtry	65	72	16th	33	19th	67·1	42·6	54·0	- 2·8	0	0·00	0	- 10	9·5	+ 4·0	57	2	26	60·0	•	55·2	•	Worksop.
a Nottingham	82	71	13, 16	34	19th	65·9	42·4	53·3	- 3·2	0	0·00	0	- 11	8·9	—	54	1	29	59·9	+1·5	55·0	+1·1	Nottingham.
b, East .. p Birmingham, Edgbsn.	535	73	13th	42	19th	65·7	46·0	55·2	- 1·2	0	0·00	0	- 13	7·8	—	48	0	32	55·2	+2·0	50·9	+1·2	Birmingham.
a Raunds	203	73	13th	32	19th	66·1	41·4	52·9	- 4·0	0	0·00	0	—	*8·6*	—	*53*	1	27	60·6	•	53·6	•	*Raunds.*
p Oxford	208	74	13th	39	19th	68·0	44·6	55·5	- 1·9	0	0·00	0	- 12	11·7	+ 5·2	72	0	34	•	•	•	•	Oxford.
c, West .. a Cheadle	646	73	13th	38	19th	66·1	45·6	55·1	+ 0·1	0	0·00	0	- 15	•	•	•	0	33	•	•	•	•	Cheadle.
p Shrewsbury	191	78	13th	35	19th	69·7	42·4	55·1	- 1·8	0	0·00	0	—	•	•	•	1	30	•	•	•	•	Shrewsbury.
a Hereford§	291	74	13th	36	19th	67·3	43·1	54·4	- 2·9	0	0·00	0	- 13	*9·6*	—	*58*	1	29	62·0	•	58·1	•	*Malvern.§*
a Cirencester	446	73	13th	38	19th	67·0	43·5	54·4	- 1·5	0	0·00	0	- 13	11·3	+ 4·7	69	0	36	60·0	•	55·1	•	Cirencester.
a Bath	66	75	13th	43	19th	69·6	47·9	58·0	+ 0·6	0	0·00	0	- 13	12·8	—	79	•	•	63·5	+3·1	58·0	+1·7	Bath.
5. ENGLAND, S.E																							
a Marlborough	424	73	13th	37	19th	68·3	41·9	54·2	- 1·3	0	0·00	0	- 13	12·6	—	78	0	41	62·1	+1·0	56·7	+0·6	Worthing.
a Margate	53	59	13th	50	14, 19	57·1	51·3	54·0	- 2·9	0	0·00	0	- 10	12·0	+ 5·9	74	1	29	61·8	•	55·2	•	Marlborough.
a Wisley, Surrey	150	73	13th	37	19th	67·4	43·4	54·6	- 3·7	0	0·00	0	—	6·7	+ 0·5	41	0	47	59·6	+1·8	57·9	+2·8	Margate.
p Salisbury (Wilton)	180	78	13th	41	19th	72·3	42·4	56·3	- 1·9	0	0·00	0	- 13	9·8	—	60	1	28	60·3	+0·7	56·0	+0·4	Wisley.
a Tunbridge Wells	354	69	13, 16	43	17, 19	63·9	44·7	53·6	- 3·0	0	0·00	0	- 13	•	•	•	0	32	64·1	•	•	•	Salisbury.
														9·2	+ 2·5	57	0	32	60·5	0·0	57·0	•	Tunbridge Wells.
a Dungeness	21	64	13, 16	45	17th	61·6	51·3	56·1	- 0·6	0	0·00	0	- 8	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	70	16th	44	19th	64·1	47·9	55·4	- 1·7	0	0·00	0	- 10	11·7	+ 4·0	73	0	41	61·2	•	56·8	•	Hastings.
p Southampton	64	76	13th	44	19th	69·4	47·9	57·9	- 1·2	0	0·00	0	- 11	12·1	+ 5·0	74	0	37	•	•	•	•	Southampton.
a Ventnor	59	71	13th	48	19th	65·1	51·7	57·9	+ 0·1	0	0·00	0	- 11	10·6	+ 4·0	66	•	•	•	•	•	•	Ventnor.
LONDON. p Kew	18	73	13, 16	43	19th	67·5	47·5	56·8	- 0·7	0	0·00	0	- 12	10·5	+ 4·0	64	0	35	59·4	+0·4	55·4	+1·1	Kew.
a Westminster	*27*	*73*	*13th*	*44*	*19th*	*66·8*	*48·8*	*57·2*	- *1·0*	*0*	*0·00*	*0*	- *12*	*9·6*	+ *4·0*	*59*	0	40	•	•	•	•	*Westminster.*
a Greenwich	*155*	*73*	*13th*	*42*	*19th*	*67·0*	*45·9*	*55·7*	- *3·0*	*0*	*0·00*	*0*	- *12*	*9·7*	+ *3·2*	*60*	2	30	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*71*	*13th*	*39*	*19th*	*65·2*	*44·4*	*54·1*	—	*0*	*0·00*	*0*	—	*10·8*	—	*66*	3	24	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*77*	*13th*	*42*	*19th*	*72·4*	*47·1*	*58·9*	—	*0*	*0·00*	*0*	—	*9·7*	—	*60*	0	39	•	•	•	•	*Camden Square.*
7. a, ENGLAND, N.W.																							
p Aspatria	250	74	16th	34	18th	67·9	42·0	54·0	- 0·5	0	0·00	0	- 14	10·1	—	61	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	75	16th	32	18th	67·9	39·7	52·8	- 1·3	0	0·00	0	- 12	13·2	—	78	2	28	57·6	•	51·6	•	Aspatria.
p Stonyhurst	375	72	16th	39	19th	67·0	45·0	55·2	- 0·2	0	0·00	0	- 17	12·6	+ 5·7	75	3	21	59·0	+1·5	52·7	+0·7	Newton Rigg.
p Blackpool	66	74	13th	39	19th	66·9	45·3	55·4	- 0·5	0	0·00	0	- 12	11·2	+ 4·7	67	2	22	•	•	•	•	Stonyhurst.
a Southport	*37*	*73*	*13th*	*40*	*19th*	*67·6*	*45·0*	*55·5*	- *0·4*	*0*	*0·00*	*0*	- *12*	13·0	+ 6·4	78	0	32	59·0	•	53·1	•	Blackpool.
a Liverpool (Bidston)	*188*	*73*	*13th*	*45*	*19th*	*68·6*	*49·1*	*58·2*	+ *2·4*	*0*	*0·00*	*0*	- *13*	*12·1*	—	*72*	0	31	60·9	-0·1	57·3	+0·6	*Southport.*
a Hawarden Bridge	*22*	*77*	*13th*	*42*	*19th*	*69·9*	*47·7*	*58·0*	+ *1·1*	*0*	*0·00*	*0*	- *11*	*11·2*	—	*67*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	74	13, 16	42	19th	69·0	47·9	57·7	+ 0·7	*0*	0·00	0	- 13	*10·7*	—	*64*	0	36	60·8	+3·1	57·1	+3·2	*Manchester (City)*
														9·7	+ *4·4*	*58*	•	•	•	•	•	•	" (Whit. Park)
b, NORTH WALES.																							
p Llandudno	71	67	13, 17	45	19th	65·0	49·4	56·7	+ 0·1	0	0·00	0	- 11	11·4	+ 4·6	69	•	•	•	•	•	•	Llandudno.
a Holyhead	15	65	16, 17	49	15th	63·6	51·1	56·9	+ 1·8	0	0·00	0	- 12	*11·0*	—	*66*	•	•	•	•	•	•	*Holyhead.*
p *Bettws-y-Coed*	*148*	*75*	*13th*	*41*	*19th*	*70·3*	*46·1*	*57·4*	+ *1·7*	*0*	*0·00*	*0*	—	*10·5*	—	*63*	•	•	56·4	+0·9	51·9	+0·3	*Bettws-y-Coed.*
														11·0	—	67	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.														11·4	—	70	*	*	*	*	*	*	Aberystwyth.
a Llangammarch Wells	550	73	13th	34	17th	66·7	41·6	53·3	− 1·8	0	0·00	0	—	9·9	—	60	2	28	57·3	+1·8	52·0	+0·6	Llangammarch.
a Pembroke	149	70	13th	49	16th	61·9	51·1	56·1	+ 0·9	0	0·01	0	− 11	10·4	+ 2·9	64	*	*	*	*	*	*	Pembroke.
p Cardiff	202	74	13th	43	19th	67·9	48·0	57·3	− 0·6	0	0·00	0	− 14	*12·4*	—	*76*	0	37	61·5	+1·3	55·9	+0·8	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	77	13th	43	15th	70·4	49·1	59·0	+ 1·1	0	0·00	0	− 13	*12·3*	—	*75*	0	47	*	*	*	*	*Clifton.*
a Shaftesbury	722	72	13th	40	19th	67·4	45·0	55·4	0·0	0	0·00	0	− 14	*	*	*	*	*	60·4	*	56·0	*	Shaftesbury.
a Arlington	613	73	13, 14	41	16th	69·7	47·9	58·0	+ 3·4	0	0·00	0	− 18	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*72*	*13th*	*43*	*19th*	*63·4*	*49·4*	*55·9*	− *0·7*	*0*	*0·00*	*0*	− *10*	9·1	+ 1·7	57	0	30	60·6	*	55·7	*	Newquay.
a Cullompton	202	76	13th	41	16th	71·1	46·0	57·7	+ 0·5	0	0·00	0	− 12	11·4	+ 4·8	71	0	35	63·9	*	*	*	Cullompton.
a Portland Bill	19	66	13th	47	19th	60·7	51·0	55·5	− 0·7	0	0·00	0	—	*11·7*	—	*73*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	73	13th	46	16th	66·3	51·3	58·3	+ 0·3	0	0·00	0	− 13	10·9	+ 3·8	68	0	39	59·2	−0·8	*	*	Plymouth.
p Falmouth	167	68	13th	48	16th	61·3	51·7	56·2	− 0·5	2	0·13	3	− 11	8·7	+ 0·9	54	0	41	62·1	*	58·8	*	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	62	16th	47	19th	59·3	49·7	54·2	+ 0·6	1	0·08	2	− 10	*11·8*	*	*69*	*	*	*	*	*	*	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	72	17th	50	13, 15	67·0	52·3	59·1	+ 4·3	0	0·00	0	− 15	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122																						Markree Castle.
a Birr Castle	175	75	16, 17	43	16th	70·4	49·0	59·0	+ 3·3	0	0·00	0	− 13	*10·6*	+ *5·0*	*64*	*	*	*	*	*	*	*Birr Castle.*
b, East .. *p* Armagh ..	196	73	16th	40	19th	66·1	46·0	55·4	+ 0·7	0	0·00	0	− 14	11·5	+ 5·8	68	0	33	59·5	+1·7	54·2	+0·8	Armagh.
a Donaghadee	101	65	19th	47	14, 18	60·3	49·0	54·3	− 0·4	0	0·00	0	− 13	*	*	*	*	*	*	*	*	*	*
																	0	40	61·4	+3·1	54·9	+0·6	Trinity Coll.
10. IRELAND, S.														11·2	+ 4·7	67	0	31	*	*	*	*	Phœnix Park.
p Dublin, City	47	67	13th	46	19th	63·3	50·6	56·5	− 0·9	0	0·00	0	− 11	*	*	*	0	42	*	*	*	*	Dublin City.
a Kilkenny	212	73	13, 17	41	16, 17	67·7	47·9	57·1	+ 1·1	0	0·00	0	− 14	*	*	*	*	*	*	*	*	*	*
a, East .. *a* Waterford	30	74	13, 16	43	16, 17	69·9	50·4	59·5	+ 2·8	0	0·00	0	− 16	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*71*	*17th*	*43*	*16th*	*64·7*	*49·0*	*56·3*	—	*0*	*0·00*	*0*	—	*10·0*	—	*61*	0	34	*	*	*	*	*Seskin.*
a Birr Castle	175	75	16, 17	43	16th	70·4	49·0	59·0	+ 3·3	0	0·00	0	− 13	10·6	+ 5·0	64	*	*	*	*	*	*	Birr Castle.
a Foynes	50	73	13th	47	15th	68·7	51·0	59·2	+ 2·7	0	0·00	0	− 14	*	*	*	*	*	*	*	*	*	*
b, West .. *a* Cahir	199	72	13, 16, 17	40	16th	67·7	48·7	57·5	+ 1·6	0	0·00	0	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	77	13th	49	17th	71·4	53·9	62·0	+ 6·2	2	0·05	1	− 16	*	*	*	*	*	*	*	*	*	*
a Valencia	30	75	13th	48	17th	68·7	54·3	61·0	+ 4·8	0	0·00	0·1	− 19	5·7	− 0·8	35	*	*	*	*	*	*	Valencia.
a Roche's Point ..	32	67	13th	49	19th	61·4	53·0	56·9	+ 0·7	4	0·17	4	− 13	7·1	—	44	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	64	13th	51	17, 18	60·3	52·9	56·3	− 0·4	3	0·24	6	− 4	4·6	− 3·5	29	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	73	16th	51	17th	67·1	53·4	59·8	+ 1·6	0	0·00	0	− 12	7·5	− 0·5	47	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	68	15, 17	50	16, 17	64·4	51·4	57·5	0·0	0	0·00	0	− 13	8·5	+ 0·2	53	0	43	60·9	+0·1	58·0	+1·1	Guernsey.†

† The Earth temperatures and grass minimum for Guernsey are for Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, June 19th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Highest Hourly Wind. Date and Hour.	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.		m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	15**	—	—	—	—	—	115	53	0	NE. by E. 5	14th 13h.	10 14th 11 . 35
Aberdeen*	105	37 / 52	—	—	—	—	11	114	43	0	ENE. 7	14th 13h.	9 14th 13 . 12
Edinburgh	39	31	—	—	—	—	9	128	31	0	NE. 7	17th 11h.	11 17th 7 . 30
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	—	—	54	88	26	0	NE. by E. 9	13th 13h.	13 13th 13 . 31
Paisley (Coats Obs.)	81	52	—	—	—	—	20	97	34	17	E. 7	13th 13h.	15 13th 12 . 56
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	—	31	133	4	NE. by N. 3	17th 9h.	8 17th 7 . 3
South Shields ..	61	12	—	—	—	—	—	106	62	0	NE. by E. 5	17th 9h.	9 17th 8 . 16
Spurn Head	40	†	—	—	—	—	20	104	44	0	NNE. 7	13th 12h.	10 13th 12 . 30
3. ENGLAND, E.													
Gorleston	42	†‡	—	—	—	—	67	101	0	0	— 9	13th 21h.	12 13th 20 . 50
Shoeburyness ..	90	†‡	—	—	13th	1	76	91	0	0	— 11	13th 19h.	15 13th 7 . 3
4. MIDLAND COUNTIES.													
Benson	84	†	—	—	—	—	28	119	21	0	NNE. 8	13th 20h.	14 13th 20 . 22
5. ENGLAND, S.E.													
Dover	40	†‡	—	—	13, 14	7	120	34	7	0	— 13	13th 20h.	17 13th 20 . 13
Warlingham ..	33	†‡	—	—	—	—	16	149	3	0	— 7	14th 16h.	12 14th 13 . 50
Brighton	53	‡	—	—	13th	2	79	76	0	11	— 12	13th 23h.	18 13th 22 . 41
Kew†	65	7 / 22	—	—	—	—	39	113	16	0	E. 8	14th 16h.	12 14th 13 . 55
South Kensington ..	92	30	—	—	—	—	1	126	15	26	NE. by N. 6	14th 4h.	10 14th 4 . 25
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	—	50	118	0	E. 5	13th 17h.	9 13th 14 . 50
Southport	62	48	—	—	13, 17	3	78	77	10	0	ENE. 12	17th 15h.	17 17th 14 . 2
Holyhead*	40	†‡	—	—	13 to 15, 17, 18	24	45	49	50	0	E. by N. 13	13th 21h.	16 13th 22 . 58
8. ENGLAND, S.W.													
Pendennis Castle* ..	65	24	—	—	14, 15, 18	33	57	50	28	0	E. 15	14th 4h.	20 14th 7 . 15
Plymouth	88	2	—	—	14, 15, 18	23	95	18	13	19	— 14	14th 10h.	21 14th 8 . 50
10. IRELAND, S.													
Quilty	40	†‡	—	—	—	—	47	104	17	0	— 8	15th 11h.	14 15th 10 . 33
Weaver Pt.	30	†‡	—	—	—	—	39	62	24	43	— 10	15th 6h.	13 15th 6 . 25
11. ENGLISH CHANNEL.													
Scilly*	32 / 19	‡	—	—	14th	17	50	67	34	0	E. by S. 16	14th 9h.	22 14th 9 . 10

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting.
** Above tops of trees.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTY-FOURTH WEEK—June 13th to June 19th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Accumulated Number of Day-Degrees. Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Below 42°	Accumulated Number of Day-Degrees. Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)		Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	78	36	61·4	43·7	51·9	− 0·3	69	− 4	0	− 1	0	− 4	0·00	0	− 16	12·0	+6·6	68	1026
Eastern.																			
1. SCOTLAND, EAST ...	76	28	63·6	41·0	51·5	− 2·1	71	− 10	3	+ 3	0	− 4	0·00	0	− 13	12·6	+6·7	72	1026
2. ENGLAND, N.E.	74	31	61·6	45·4	52·9	− 1·5	76	− 11	0	0	0	− 2	0·00	0	− 10	9·6	+3·4	57	1026
3. ENGLAND, EAST ...	75	35	63·0	46·2	54·0	− 2·1	84	− 15	0	0	0	− 3	0·00	0	− 13	8·6	+2·1	53	1024
4. MIDLAND COUNTIES ...	78	32	66·9	43·9	54·6	− 1·6	88	− 11	0	0	0	− 3	0·00	0	− 12	10·0	+4·0	61	1023
5. ENGLAND, S.E.	78	37	65·7	47·0	55·7	− 1·5	96	− 10	0	0	0	− 3	0·00	0	− 12	10·6	+3·9	65	1022
Western.																			
6. SCOTLAND, WEST ...	76	37	67·8	45·4	55·9	+ 0·9	97	+ 6	0	0	1	− 2	0·01	0	− 16	12·1	+5·6	71	1026
7. ENGLAND, N.W.	75	32	67·0	46·2	55·9	+ 0·2	97	+ 1	0	0	0	− 3	0·00	0	− 12	11·8	+5·2	71	1023
8. ENGLAND, S.W.	77	34	66·3	48·3	56·7	+ 0·2	103	+ 1	0	0	1	− 2	0·01	0	− 14	10·3	+3·4	63	1022
9. IRELAND, NORTH ...	75	40	64·6	49·2	56·4	+ 1·5	101	+ 12	0	0	1	− 3	0·02	1	− 14	11·5	+5·7	68	1023
10. IRELAND, SOUTH ...	77	40	67·7	51·0	58·7	+ 2·4	117	+ 17	0	0	1	− 2	0·02	1	− 13	8·7	+2·1	53	1021
11. ENGLISH CHANNEL ...	73	50	63·9	52·6	57·9	+ 0·5	111	+ 4	0	0	1	− 3	0·08	2	− 8	6·9	−1·2	43	1020

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 3 Weeks, May 30th to June 19th, 1915.

0. SCOTLAND, NORTH ...	78	34	59·8	44·4	51·6	*	201	+ 1	0	− 4	9	− 2	1·09	28	− 16	7·7	+2·1	44	1019
Eastern.																			
1. SCOTLAND, EAST ...	77	28	64·1	43·3	53·0	*	235	+ 13	3	0	5	− 5	0·59	15	− 21	8·9	+2·8	51	1019
2. ENGLAND, N.E.	85	31	64·7	46·3	54·9	*	270	+ 30	0	0	2	− 6	0·11	3	− 29	8·2	+2·0	49	1021
3. ENGLAND, EAST ...	90	31	66·1	48·1	56·5	*	304	+ 23	0	0	2	− 6	0·07	2	− 36	8·3	+1·5	51	1021
4. MIDLAND COUNTIES ...	87	31	68·3	45·6	56·1	*	297	+ 15	0	− 1	2	− 6	0·18	4	− 33	8·4	+2·3	51	1020
5. ENGLAND, S.E.	88	29	66·1	48·2	56·5	*	306	+ 3	0	0	2	− 6	0·11	3	− 34	8·1	+1·2	50	1020
Western.																			
6. SCOTLAND, WEST ...	76	30	63·8	45·9	54·3	*	258	+ 7	0	− 1	6	− 3	0·85	21	− 28	8·4	+1·8	50	1020
7. ENGLAND, N.W.	77	32	64·7	47·1	55·3	*	279	+ 12	0	0	3	− 6	0·36	10	− 26	8·7	+1·9	53	1020
8. ENGLAND, S.W.	77	28	65·0	47·7	55·8	*	290	+ 2	0	0	4	− 5	0·18	4	− 35	8·2	+1·3	51	1020
9. IRELAND, NORTH ...	75	34	62·1	47·3	54·3	*	258	+ 8	0	0	8	− 2	1·25	32	− 11	8·0	+2·0	48	1019
10. IRELAND, SOUTH ...	77	34	64·8	49·0	56·3	*	299	+ 17	0	0	7	− 2	0·82	21	− 22	7·1	+0·5	44	1019
11. ENGLISH CHANNEL ...	77	43	63·2	51·6	57·0	*	316	+ 12	0	0	3	− 7	0·24	6	− 28	6·7	−1·3	42	1019

THE YEAR.—Aggregates, &c., for the Period of 24 Weeks, January 3rd to June 19th, 1915.

0. SCOTLAND, NORTH ...	80	12	48·4	36·5	42·3	*	563	− 25	503	− 54	107	− 4	21·42	543	− 16	3·7	+0·3	30	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	49·6	35·2	42·2	*	640	− 46	630	+ 10	87	− 3	11·42	290	− 19	4·3	+0·4	35	1011
2. ENGLAND, N.E.	85	20	50·7	37·9	44·0	*	763	+ 44	403	− 72	78	− 4	9·14	231	− 7	4·5	+0·4	37	1012
3. ENGLAND, EAST ...	90	18	51·8	38·7	45·0	*	895	+ 11	381	−140	81	0	10·20	261	+ 24	4·5	+0·2	37	1013
4. MIDLAND COUNTIES ...	87	19	52·8	37·3	44·8	*	923	+ 10	451	− 82	72	− 7	10·73	272	+ 2	4·4	+0·5	36	1013
5. ENGLAND, S.E.	88	15	52·7	39·6	46·6	*	991	+ 16	318	− 63	68	− 9	13·36	343	+ 75	4·5	+0·2	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	50·8	37·6	44·0	*	756	− 11	434	+ 9	88	− 7	16·77	425	− 61	4·7	+0·7	38	1012
7. ENGLAND, N.W.	77	21	51·1	38·9	44·8	*	811	+ 2	344	− 42	77	−10	13·63	346	+ 12	4·8	+0·8	39	1012
8. ENGLAND, S.W.	79	17	52·4	40·4	46·0	*	960	− 4	298	− 3	81	− 5	15·86	402	+ 16	4·6	+0·2	38	1013
9. IRELAND, NORTH ...	75	20	50·9	38·8	44·7	*	802	− 31	352	+ 7	95	− 7	13·50	346	− 40	4·2	+0·4	35	1011
10. IRELAND, SOUTH ...	77	21	52·8	40·4	46·4	*	1016	+ 2	284	+ 25	94	+ 2	15·18	390	− 32	4·4	+0·2	36	1013
11. ENGLISH CHANNEL ...	79	27	52·9	43·3	48·0	*	1121	− 7	120	+ 11	85	− 9	13·37	336	+ 12	4·7	−0·4	38	1014

W. N. SHAW, Director.
Meteorological Office, South Kensington, June 23rd, 1915.

E. GOLD, Superintendent of Statistical Division.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 25. TWENTY-FIFTH WEEK, SUNDAY, JUNE 20TH, TO SATURDAY, JUNE 26TH, 1915.

Price 6d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

Considerable falls of rain were experienced in the south-west of England in the early part of the week, Falmouth recording on Monday as much as 23 mm. Over a large portion of Great Britain, however, the drought which had prevailed since the latter end of May continued until very nearly the close of the week, when rain occurred in all districts. On the 25th a fall of 37 mm. was registered at Buxton, and on the following day amounts exceeding 25 mm. occurred in several northern parts, the largest reported being about 40 mm. at Manchester, and 32 mm. at Kirkcaldy. In the east and south-east of England the total amount for the week was small, the fall in the latter district amounting to only half the average. Thunderstorms occurred at several stations in the western half of England on the 25th. Temperature was below the average in all districts excepting the English Channel, and on the morning of the 20th a ground frost occurred in many localities, the thermometer on the grass falling to a minimum of 24° at Llangammarch Wells, 25° at Greenwich, and 26° at Tunbridge Wells and Birmingham. Bright sunshine varied in amount in different districts, but was mostly rather deficient; in England S.W. the total duration for the week was considerably less than half the average.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate
	Rainfall ...	Very light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy
	Sunshine ...	Abundant	Scanty	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Very scanty	Moderate	Scanty	Very scanty

THE SEASON.

SUMMER. 4 weeks from May 30th, 1915.	Warmth ...	1, 1, 2	1, 1, 2	1, 1, 2	1, 1, 2	1, 2, 1	1, 0, 3	1, 2, 1	1, 2, 1	1, 1, 2	1, 3, 0	2, 2, 0	1, 2, 1
	Rainfall ...	0, 2, 2	0, 2, 2	0, 1, 3	0, 1, 3	0, 1, 3	0, 1, 3	0, 2, 2	0, 1, 3	1, 0, 3	1, 1, 2	0, 2, 2	1, 0, 3
	Sunshine ...	2, 2, 0	2, 0, 2	2, 2, 0	4, 0, 0	3, 1, 0	1, 3, 0	1, 3, 0	2, 2, 0	2, 1, 1	1, 3, 0	1, 2, 1	0, 1, 3

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, June 26th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	60	53	57·3	+2·4
Wick*	48	47	47·7	-3·4	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	49	46	47·7	-2·4
Ballantrae	56	52	54·0	+1·3	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	55	53	54·6	-1·9
Scilly	58	56	57·0	—	ENGLAND, S.E.				
Plymouth‡	59	56	57·0	+0·5	Eastbourne‡	60	59	59·4	+0·5
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	60	55	57·2	+1·1	Port Erin	55	51	52·6	+0·3

* Four days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5386—19.) Wt. 160—610. 450. 7/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine Hours per Day.			Ground Temperature.					STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.									Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Ground Frosts.	Lowest Reading.	Mean.	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
a, Islands ..	*p Baltasound*	*31*	*58*	*26th*	*40*	*21st*	*52·1*	*44·0*	*47·8*	—	*3*	*0·14*	*4*	—	*4·6*	—	*25*	•	•	51·0	•	•	*Baltasound.*
	a Lerwick	54	58	26th	40	22nd	51·6	42·6	46·8	- 2·8	1	0·04	1	—	6·2	+ 1·2	34	•	•	•	•	•	Deerness.
	a Stornoway	51	61	23rd	41	22nd	58·3	45·7	51·6	- 0·8	1	0·04	1	- 13	9·2	+ 3·1	51	•	•	•	•	•	Stornoway.
	a Castlebay, Barra Isd. ..	*37*	*62*	*20, 26*	*46*	*22nd*	*59·3*	*49·4*	*54·0*	+ *1·2*	*2*	*0·47*	*12*	—	*9·4*	—	*53*	•	•	•	•	•	*Castlebay.*
b, Mainland.	a Wick	81	56	20th	38	20th	51·4	44·6	47·8	- 4·4	1	0·04	1	- 10	•	•	•	•	•	•	•	•	•
	p Strathpeffer	200	67	20th	39	22nd	62·1	43·0	51·9	- 2·3	1	0·16	4	- 7	5·9	+ 0·8	33	•	•	•	•	•	Strathpeffer.
	p Glencarron	500	66	20th	37	20th	61·5	43·2	51·7	- 1·3	1	0·05	1	- 24	•	•	•	•	•	•	•	•	•
	p Fort Augustus.. ..	68	71	20th	39	22nd	61·1	44·1	52·0	- 2·3	1	0·09	2	- 10	5·1	+ 0·7	29	•	•	•	•	•	Fort Augustus
	p Fort William	171	71	28th	39	25th	63·1	44·9	51·8	- 0·5	1	0·24	6	- 16	•	•	•	•	•	•	•	•	•
1. SCOTLAND, E.																						
	p Gordon Castle	101	65	20th	38	21st	58·4	43·7	50·5	- 4·2	2	0·23	6	- 6	5·1	—	29	1	30	56·1	+0·9	52·1	-0·3	Crathes.
	*a Nairn	*82*	*66*	*20th*	*35*	*22nd*	*58·9*	*41·9*	*49·8*	- *4·7*	*3*	*0·28*	*7*	- *3*	*5·8*	—	*33*	•	•	•	•	•	•	*Gordon Castle.*
	a Nairn	82	66	20th	35	22nd	58·9	41·9	49·8	- 4·7	3	0·28	7	- 3	5·9	—	33	•	•	•	•	•	•	Nairn.
	a Aberdeen	46	62	20th	42	20th	58·9	45·7	51·8	- 2·0	3	0·53	13	+ 2	5·1	- 1·0	29	•	•	•	•	51·8	+1·2	Aberdeen.
	a Balmoral	930	72	22nd	32	20th	63·1	39·1	50·3	- 2·0	1	0·30	8	- 4	•	•	•	2	29	•	•	•	•	Balmoral.
	p Crieff	432	71	20th	39	25th	63·9	46·0	54·3	- 1·7	3	1·14	29	+ 12	4·0	—	23	•	•	•	•	•	•	Balruddery.
	a Leith	18	71	20th	44	22nd	59·9	48·1	53·6	- 2·3	2	1·00	25	+ 14	•	•	•	•	•	•	•	•	•	
	a West Linton	769	68	20th	35	20th	61·3	41·4	50·7	- 1·8	3	0·76	19	—	*3·8*	—	*22*	1	28	•	•	•	•	*West Linton.*
	p Marchmont	498	62	23rd	39	22nd	57·0	43·6	49·8	- 3·8	3	0·73	19	+ 5	4·3	- 1·9	25	0	33	•	•	•	•	Marchmont.
	a Edinburgh	*441*	*70*	*20th*	*43*	*22nd*	*58·4*	*46·4*	*52·0*	—	*2*	*1·02*	*26*	—	5·1	—	30	0	39	•	•	•	•	Edinburgh.
6. *a*, SCOTLAND, W.																						
	a Poltalloch	132	69	25th	41	20th	65·1	46·4	55·1	- 0·9	3	1·00	25	+ 7	•	•	•	•	•	•	•	•	•	
	p Glasgow Observatory	180	70	20th	46	20, 22	62·1	48·6	54·9	- 0·8	2	1·18	30	+ 15	5·3	- 0·1	31	0	36	•	•	•	•	Glasgow.
	p Rothesay‡	170	70	21st	45	25th	62·9	48·3	55·1	- 1·1	4	1·22	31	+ 13	*6·8*	—	*39*	0	41	58·4	•	54·4	+1·3	*Rothesay.*
	a Kilmarnock	90	71	20, 22	39	20th	65·1	46·6	55·2	- 0·5	3	0·39	10	—	*5·9*	—	*35*	•	•	•	•	•	•	*Kilmarnock.*
	a Colmonell	170	71	20th	39	20, 21	65·6	44·7	54·3	- 1·5	2	0·11	3	- 12	•	•	•	0	36	•	•	•	•	
	a Dumfries	160	70	21st	43	20, 21	64·9	46·0	54·8	- 2·1	1	0·05	1	- 13	*5·9*	—	*35*	0	34	60·0	•	56·9	•	*Dumfries.*
	Eskdalemuir	*799*	*67*	*20th*	*35*	*20th*	*59·9*	*40·6*	*49·6*	—	*1*	*0·20*	*5*	—	*3·6*	—	*21*	•	•	•	•	•	•	*Eskdalemuir.*
	p Cally, Gatehouse ..	120	74	21st	40	20th	66·1	45·0	54·8	- 1·3	1	0·01	0	- 17	•	•	•	•	•	•	•	•	•	
b, I. OF MAN.	p Douglas	277	68	21, 22	46	21st	63·3	48·1	55·2	- 0·4	4	0·47	12	- 3	6·9	- 0·4	41	0	38	•	•	•	•	Douglas.
2. ENGLAND, N.E.																						
a, North ..	a Alnwick Castle ..	210	68	20th	35	22nd	59·3	44·6	5 ·4	- 3·1	2	0·52	13	+ 1	3·2	—	19	0	33	58·4	+2·6	54·5	+1·7	Cockle Park.
	a Tynemouth	71	65	20th	44	22nd	58·3	48·6	53·1	- 1·6	1	0·24	6	- 6	•	•	•	•	•	•	•	•	•	*Tynemouth.*
	p Durham	336	71	20th	40	20th	60·9	45·0	52·4	- 3·3	3	0·27	7	- 4	3·6	- 2·2	21	0	35	•	•	•	•	Durham.
	p Rounton	249	71	20th	41	21th	61·6	44·9	52·7	- 2·3	2	0·21	5	- 7	•	•	•	0	34	57·6	•	•	•	Rounton.
	a West Witton	*605*	*71*	*21st*	*38*	*20th*	*63·0*	*43·7*	*52·7*	—	*2*	*0·14*	*4*	—	•	•	•	0	33	56·1	•	51·0	•	*West Witton.*
	p Scarborough	100	65	21st	47	20th	59·6	50·3	54·6	- 1·1	3	0·34	9	- 2	6·8	—	40	•	•	•	•	54·1†	•	Scarborough.
	p York	56	74	21st	46	21, 22	65·4	48·3	56·3	- 1·3	2	0·20	5	- 8	4·5	- 1·4	27	•	•	58·2	+1·4	54·7	+1·6	York.
b, South ..	a Spurn Head	26	64	20th	47	20th	60·0	48·7	54·0	- 1·9	3	0·31	8	- 1	*6·4*	—	*38*	•	•	•	•	•	•	*Spurn Head.*
	a Lincoln	58	76	21st	40	20th	66·0	47·6	56·2	- 2·3	2	0·55	14	+ 2	•	•	•	•	•	62·4	+4·4	56·9	+3·2	Lincoln.
	a Fulbeck	180	76	21st	36	20th	65·1	45·9	54·8	- 3·2	1	0·41	11	0	7·3	—	44	0	37	62·6	+0·4	56·5	+1·4	Rauceby.
															7·7	—	46	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																						
a, North ..	p Cromer	196	69	21st	44	20th	62·7	49·9	55·9	- 0·4	2	0·33	8	—	7·9	—	47	•	•	•	•	•	•	Cromer.
	p Little Massingham ..	280	74	20th	41	21st	67·6	46·7	56·4	- 1·3	2	0·22	6	- 7	7·9	+ 1·3	48	0	34	•	•	•	•	Lit. Massingham
	a Yarmouth	17	74	21th	42	20th	62·1	51·4	56·4	- 0·4	2	0·39	10	- 1	8·4	—	51	•	•	63·3	+0·3	57·9	-0·3	Yarmouth.
	a Norwich	93	75	26th	37	20th	67·3	47·7	56·8	- 0·2	3	0·33	8	—	*8·6*	—	*52*	0	31	60·6	•	•	•	*Norwich.*
	a Geldeston	37	74	26th	35	21st	65·3	46·7	55·4	- 1·8	3	0·31	8	- 3	8·9	+ 2·0	54	•	•	•	•	•	•	Geldeston.
b, East ..	p Cambridge	41	74	21st	35	20th	68·1	46·7	56·7	- 2·2	3	0·34	9	- 3	8·1	+ 1·5	49	0	32	61·9	+1·5	57·9	+1·6	Cambridge.
	p Clacton-on-Sea ..	54	68	26th	44	20th	61·3	51·1	55·8	- 1·9	2	0·24	6	—	9·2	—	56	0	37	57·8	-1·5	56·0	-0·6	Clacton.
	a Rothamsted	424	72	21st	37	20th	66·0	45·9	55·3	- 2·2	4	0·13	3	- 10	8·0	+ 1·6	49	2	28	60·7	•	•	•	Rothamsted.
	p Tottenham	51	72	21, 25	42	20th	66·9	49·3	57·5	- 0·8	3	0·15	4	—	7·8	—	48	0	40	•	•	60·0	+2·8	Tottenham.
4. MIDLAND COUNTIES.																						
a North ..	p Harrogate	479	71	21st	40	20th	62·6	44·6	53·0	- 2·7	3	0·07	2	- 12	4·0	—	24	0	33	56·0	+1·3	54·5	+1·8	Harrogate.
	p Buxton	*987*	*70*	*21st*	*40*	*20th*	*61·9*	*44·4*	*52·5*	- *0·9*	*3*	*1·64*	*42*	+ *23*	*4·4*	—	*26*	2	28	59·7	+3·1	53·9	+3·0	*Buxton.*
b, East ..	a Bawtry	65	74	21st	35	20th	66·0	44·1	54·3	- 3·6	1	0·15	4	- 7	4·7	—	28	0	36	56·2	-0·2	52·5	+0·9	Sheffield.
	a Nottingham	82	76	21st	36	20th	66·6	46·7	56·0	- 1·8	3	0·31	8	- 4	5·5	0·0	33	1	28	59·5	•	55·9	•	Worksop.
	p Birmingham, Edgbsn.	535	73	21st	44	20th	65·6	48·0	56·2	- 0·8	2	0·58	15	+ 2	6·9	—	41	1	30	60·3	+1·8	55·6	+0·8	Nottingham.
	a Raunds	203	75	21st	33	20th	68·3	43·9	55·3	- 2·8	2	0·51	13	—	6·9	—	42	1	26	55·2	+1·6	51·4	+1·2	Birmingham.
	p Oxford	208	74	21st	40	20th	68·1	47·7	57·2	- 1·5	4	0·66	17	+ 4	*7·8*	—	*47*	1	28	59·8	•	54·9	•	*Raunds.*
c, West ..	a Cheadle	646	73	21st	45	24th	64·6	47·6	55·5	- 0·4	2	0·68	17	+ 2	9·0	+ 2·5	55	0	34	•	•	•	•	Oxford.
	p Shrewsbury	191	75	21st	38	20th	67·9	45·7	56·0	- 1·7	2	0·45	12	—	•	•	•	0	36	•	•	•	•	Cheadle.
	a Hereford§	291	71	21st	40	21st	67·3	49·4	57·7	- 0·7	2	0·23	6	- 7	•	•	•	0	33	•	•	•	•	Shrewsbury.
	a Cirencester	446	72	21st	35	20th	67·3	46·3	56·5	- 1·4	4	0·84	21	+ 7	*7·6*	—	*46*	1	30	61·9	•	59·0	•	*Malvern.*§
	a Bath	66	74	22nd	39	20th	69·1	48·7	58·2	- 0·2	2	0·48	12	- 2	6·2	- 0·3	38	0	35	60·2	•	56·0	•	Cirencester.
															5·4	—	33	•	•	63·3	+3·1	58·9	+1·9	Bath.
5. ENGLAND, S.E.																						
	a Marlborough	424	72	21st	34	20th	67·7	45·3	55·7	- 1·2	4	0·65	17	+ 3	6·6	—	40	0	37	62·2	+0·4	57·7	+0·9	Worthing.
	a Margate	53	70	26th	47	20th	61·6	51·9	56·4	- 1·9	2	0·23	6	- 5	5·7	- 0·3	35	1	28	61·4	•	56·1	•	Marlborough.
	a Wisley, Surrey ..	150	75	21st	36	20th	67·9	46·6	56·5	- 3·2	3	0·13	3	—	7·1	+ 0·9	43	0	38	60·3	+0·9	58·2	+2·3	Margate.
	p Salisbury (Wilton) ..	180	74	22, 25	36	20th	69·0	47·4	57·5	- 1·9	2	0·06	2	- 11	7·5	—	46	1	27	60·9	+0·8	56·7	+0·2	Wisley.
	a Tunbridge Wells ..	354	71	21st	36	20th	65·7	47·7	53·1	- 1·7	2	0·03	1	- 12	•	•	•	0	34	63·6	•	•	•	Salisbury.
															7·6	+ 0·9	47	1	26	60·7	-1·1	57·4	•	Tunbridge Wells.
	a Dungeness	21	65	21st	40	20th	62·1	52·1	56·8	- 0·9	2	0·02	1	- 8	•	•	•	•	•	•	•	•	•	
	p Hastings..	178	67	22, 25	44	20th	63·3	50·9	56·7	- 1·4	1	0·11	3	- 8	7·7	+ 0·1	47	0	38	61·7	•	57·5	•	Littlestone.
	p Southampton	64	74	22nd	43	20th	67·6	51·3	58·9	- 1·4	2	0·20	5	- 7	4·7	- 2·3	29	0	33	•	•	•	•	Hastings.
	a Ventnor	59	66	22, 25	49	20th	64·1	53·4	58·4	- 0·7	2	0·24	6	- 5	5·0	- 1·5	31	•	•	•	•	•	•	Southampton.
																								Ventnor.
LONDON.	p Kew	18	72	21, 25	41	20th	67·3	49·5	57·8	- 0·9	1	0·17	4	- 9	6·8	+ 0·3	41	0	31	59·4	- 0·2	55·8	+0·6	Kew.
	a Westminster	*27*	*73*	*21st*	*42*	*20th*	*67·6*	*49·8*	*58·1*	- *1·3*	*2*	*0·16*	*4*	- *9*	*7·2*	+ *1·6*	*44*	0	35	•	•	•	•	*Westminster.*
	a Greenwich	*155*	*76*	*21st*	*38*	*20th*	*69·0*	*47·7*	*57·6*	- *2·4*	*3*	*0·20*	*5*	- *7*	*7·5*	+ *0·3*	*46*	2	25	•	•	•	•	*Greenwich.*
	a Hampstead	*450*	*70*	*25, 26*	*43*	*20th*	*65·2*	*46·9*	*55·4*	—	*4*	*0·28*	*7*	—	*7·8*	—	*48*	2	29	•	•	•	•	*Hampstead.*
	a Camden Square ..	*110*	*76*	*25th*	*43*	*20th*	*70·4*	*49·1*	*59·0*	—	*4*	*0·26*	*7*	—	*7·0*	—	*43*	0	39	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																						
	p Aspatria	250	71	21st	42	24th	63·0	45·4	55·0	- 0·5	1	0·06	2	- 13	5·4	—	32	•	•	•	•	•	•	Hoylake.
	p Newton Rigg	559	73	21st	39	20, 21	65·7	43·1	53·6	- 1·1	2	0·13	3	- 9	6·6	—	39	0	32	57·4	•	52·4	•	Aspatria.
	p Stonyhurst	375	71	21st	43	20th	62·4	47·1	51·2	- 2·2	1	0·26	7	- 11	6·3	- 0·3	37	1	30	58·4	+1·1	53·5	+0·8	Newton Rigg.
	p Blackpool	66	68	22nd	44	21st	63·9	47·6	55·2	- 1·8	4	0·86	22	+ 9	5·5	- 1·0	33	2	27	•	•	•	•	Stonyhurst.
	a Southport	*37*	*70*	*22nd*	*43*	*21st*	*64·4*	*47·0*	*55·1*	- *1·9*	*4*	*0·98*	*25*	+ *13*	*6·9*	+ *0·3*	*41*	0	32	59·4	•	53·9	•	Blackpool.
	a Liverpool (Bidston) ..	188	70	22nd	47	24, 25	64·9	49·4	56·6	- 0·6	4	0·51	13	0	*6·1*	- *0·7*	*36*	0	35	60·5	- 0·4	57·7	+0·1	*Southport.*
	a Hawarden Bridge ..	*22*	*71*	*20, 21*	*43*	*20th*	*66·6*	*48·1*	*56·7*	- *1·2*	*3*	*0·72*	*18*	+ *7*	*6·0*	—	*36*	•	•	•	•	•	•	*Liverpool.*
	p Manchester (Whit. Pk.)	125	73	21st	46	20, 21	67·0	49·1	57·4	- 0·4	4	1·72	44	+ 31	*4·6*	—	*28*	0	38	60·1	+2·1	58·1	+3·3	*Manchester (City)*
															4·5	- *0·8*	*27*	•	•	•	•	•	•	" *(Whit. Park).*
b, NORTH WALES.																						
	p Llandudno	71	69	22nd	45	20th	64·0	49·4	56·2	- 1·4	4	1·02	23	+ 15	6·0	- 0·7	36	•	•	•	•	•	•	Llandudno.
	a Holyhead	15	68	21, 22	50	20, 21, 25	63·6	51·0	56·9	+ 0·5	4	0·60	15	+ 2	*5·5*	—	*33*	•	•	•	•	•	•	*Holyhead.*
	p Bettws-y-Coed	*148*	*72*	*22nd*	*40*	*21, 22*	*66·1*	*45·7*	*55·2*	- *1·8*	*4*	*0·98*	*25*	—	*4·8*	—	*29*	•	•	55·0	-0·7	52·4	+0·1	*Bettws-y-Coed.*
															6·6	—	40	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Rain gauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from average.	Earth 1 ft. Mean.	Earth 1 ft. Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.														6·6	—	40	•	•	•	•	•	•	
a Llangammarch Wells	550	70	21st	32	20th	63·9	44·0	53·3	− 3·1	2	0·93	24	—	5·2	—	32	2	24	56·2	+0·7	52·7	+0·9	Aberystwyth.
a Pembroke	149	66	21st	49	20th	60·6	50·6	55·3	− 0·8	4	2·32	59	+ 47	2·7	− 4·8	17	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	71	21st	44	20th	66·0	49·7	57·3	− 1·6	3	0·59	15	0	*3·6*	—	*22*	0	31	60·6	+0·7	56·9	+1·0	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	229	74	21st	46	20th	69·1	50·6	59·2	+ 0·3	3	0·44	11	− 3	*4·9*	—	*30*	0	32	•	•	•	•	*Clifton.*
a Shaftesbury	722	69	22, 25	43	20th	65·4	47·7	55·9	− 1·0	2	0·06	2	− 12	•	•	•	•	•	59·0	•	56·8	•	Shaftesbury.
a Arlington	613	68	22nd	45	20th	62·7	48·4	55·1	− 0·5	6	0·67	17	− 2	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*66*	*22nd*	*46*	*20th*	*60·3*	*51·4*	*55·5*	− *2·1*	*6*	*1·26*	*33*	+ *22*	1·7	− 5·6	10	0	42	58·8	•	56·0	•	Newquay.
a Cullompton	202	71	22nd	37	20th	65·3	49·3	56·7	− 1·4	5	1·00	25	+ 12	1·9	− 4·6	12	0	31	62·8	•	•	•	Cullompton.
a Portland Bill	19	61	22, 26	50	20th	59·4	52·4	55·7	− 1·5	4	0·24	6	—	*4·0*	—	*25*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	64	22nd	48	20th	60·6	52·1	56·1	− 2·8	6	1·07	27	+ 14	2·0	− 5·0	12	0	43	59·3	−0·9	57·0	•	Plymouth.
a Falmouth	167	64	28th	52	20, 21, 24	58·3	52·7	55·3	− 2·5	7	2·33	59	+ 45	1·7	− 5·8	11	0	47	59·9	•	58·8	•	Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	65	20th	47	22nd	58·7	50·1	54·1	− 0·1	3	0·71	18	+ 5	*8·3*	•	*49*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	67	20, 21	49	22, 23, 25	62·1	49·9	55·6	− 0·2	4	0·29	5	− 10	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	70	20, 21	39	20, 21	64·9	44·7	54·1	− 1·0	3	0·41	10	− 7	7·0	+ 1·5	41	0	31	60·0	•	54·5	•	Markree Castle.
a Birr Castle	175	75	22nd	38	20th	66·0	46·6	55·6	− 1·1	5	0·76	19	+ 5	*5·8*	+ *0·2*	*35*	•	•	•	•	•	•	*Birr Castle.*
b, East .. { *p* Armagh	196	72	21st	39	20th	64·1	45·0	53·9	− 2·1	3	0·44	11	− 4	5·7	0·0	34	0	31	58·8	+0·7	55·2	+0·8	Armagh.
a Donaghadee	101	67	20th	49	20, 22, 25	59·0	49·7	54·0	− 1·6	3	0·17	4	− 9	•	•	•	•	•	•	•	•	•	•
														•	•	•	0	36	60·8	+2·7	55·9	+0·9	Trinity Coll.
10. IRELAND, S.														5·9	− 0·6	35	1	29	•	•	•	•	Phœnix Park.
p Dublin, City	47	68	21st	45	20th	62·6	50·6	56·2	− 2·2	3	1·03	26	+ 15	•	•	•	0	41	•	•	•	•	Dublin City.
a, East .. { *a* Kilkenny	212	72	22nd	37	20th	64·4	47·4	55·3	− 2·0	2	0·34	9	− 5	•	•	•	•	•	•	•	•	•	•
a Waterford	30	72	21, 24	41	20th	68·1	49·1	57·9	+ 0·2	3	0·50	13	− 4	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*71*	*21st*	*43*	*20th*	*62·6*	*48·6*	*55·1*	—	*3*	*0·72*	*18*	—	*6·0*	—	*36*	1	29	•	•	•	•	*Seskin.*
a Birr Castle	175	75	22nd	38	20th	66·0	46·6	55·6	− 1·1	5	0·76	19	+ 5	5·8	+ 0·2	35	•	•	•	•	•	•	Birr Castle.
a Foynes	50	76	22nd	39	20th	66·0	49·0	56·9	− 0·6	4	0·20	5	− 9	•	•	•	•	•	•	•	•	•	•
b, West .. { *a* Cahir	198	74	22nd	36	20th	64·6	47·0	55·2	− 1·8	4	0·52	13	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	78	22nd	45	22nd	67·1	50·9	58·4	+ 1·5	4	0·63	16	− 1	•	•	•	•	•	•	•	•	•	•
a Valencia	30	71	21st	45	22nd	63·9	51·0	57·0	− 0·1	3	0·35	9	− 10	4·1	− 2·2	25	•	•	•	•	•	•	Valencia.
a Roche's Point	32	64	21-23	50	22nd	61·9	53·0	57·1	− 0·1	3	1·15	29	+ 13	3·9	—	24	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	25th	52	26th	60·1	53·6	56·6	− 1·4	7	1·30	33	+ 23	2·4	− 5·7	15	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	69	22, 24	50	26th	67·1	54·4	60·3	+ 1·0	5	0·44	11	− 1	3·8	− 4·3	24	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	67	20, 22, 26	50	20th	65·3	53·6	59·0	+ 0·5	4	0·69	18	+ 6	3·1	− 5·1	19	0	45	61·3	+0·1	58·5	+0·8	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, June 26th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.		m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	15*	—	—	—	—	2	131	29	6	N. by W. 6	25th 8h.	11 21st 9 . 5
Aberdeen*	105	37	—	—	—	—	31	126	11	0	NE. by E. 7	24th 17h.	12 21st 11 . 50
Edinburgh	39	52	—	—	—	—	15	146	7	0	W. by N. 6	20th 18h.	11 24th 12 . 57
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	—	—	46	93	29	0	NE. 9	24th 16h.	13 24th 9 . 55
Paisley (Coats Obs.)	81	52	—	—	—	—	16	115	37	0	E. 7	21st 19h.	17 24th 16 . 43
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	—	67	100	1	SE. by E. 5	23rd 13h.	9 25th 7 . 35
South Shields ..	61	12	—	—	—	—	9	106	53	0	SE. 7	23rd 12h.	9 23rd 12 . 37
Spurn Head	40	†	—	—	—	—	60	96	12	0	NNE. 7	24th 15h.	9 24th 9 . 54
3. ENGLAND, E.													
Gorleston	42	‡	—	—	—	—	87	81	0	0	— 9	23rd 22h.	13 23rd 22 . 20
Shoeburyness ..	90	‡	—	—	—	—	69	69	12	18	NE. by E. 10	23rd 16h.	13 23rd 15 . 43
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	17	116	35	0	S. by W. 7	26th 17h.	12 22nd 14 . 59
5. ENGLAND, S.E.													
Dover	40	‡	—	—	22, 23	10	59	64	35	0	— 12	23rd 14h.	17 23rd 12 . 40
Warlingham ..	33	‡	—	—	—	—	34	111	23	0	— 7	22nd 17h.	13 23rd 8 . 50
Brighton	53	6	—	—	—	—	32	20	0	116§	— 9	22nd 21h.	15 22nd 24 . 12
Kew†	65	7	—	—	—	—	30	108	30	0	E. by S. 9	23rd 10h.	13 23rd 10 . 13
South Kensington .	92	22	—	—	—	—	5	106	57	0	E. by N. 6	22nd 16h.	11 22nd 20 . 25
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	—	37	131	0	W. 5	21st 14h.	8 21st 14 . 20
Southport	62	48	—	—	—	—	54	106	8	0	E. by N. 8	24th 17h.	13 24th 10 . 8
Holyhead*	40	‡	—	—	24th	4	57	58	49	0	E. 12	24th 10h.	14 24th 9 . 43
8. ENGLAND, S.W.													
Pendennis Castle* .	65	24	—	—	20, 21, 24, 25	30	114	24	0	0	ESE. 13	20th 11h.	16 24th 7 . 55
Plymouth	88	2	—	—	20, 22, 24, 26	16	145	7	0	0	— 12	22nd 10h.	19 22nd 9 . 45
10. IRELAND, S.													
Quilty	40	‡	—	—	—	—	50	64	15	39	— 10	20th 10h.	15 20th 12 . 18
Weaver Pt.	30	‡	—	—	20th	1	70	63	34	0	— 11	20th 9h.	14 20th 8 . 55
11. ENGLAND, CHANNEL.													
Scilly*	32 / 19	‡	—	—	—	—	55	80	33	0	E. 11	20th 16h.	15 20th 15 . 22

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting.
§ Record defective.
** Above tops of trees.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTY-FIFTH WEEK—June 20th to June 28th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	71	37	58·9	44·0	50·9	− 2·5	62	− 18	0	0	1	− 3	0·09	2	− 15	6·6	+1·7	37	1018
Eastern.																			
1. SCOTLAND, EAST ...	72	32	60·2	43·7	51·4	− 3·4	66	− 24	0	0	3	0	0·62	16	+ 2	4·9	−1·1	28	1018
2. ENGLAND, N.E.	76	35	61·8	47·1	53·9	− 2·1	83	− 15	0	0	2	− 2	0·34	9	− 2	5·5	−0·7	33	1017
3. ENGLAND, EAST ...	75	35	65·3	48·4	56·2	− 1·6	99	− 11	0	0	3	0	0·27	7	− 4	8·3	+1·5	50	1016
4. MIDLAND COUNTIES ...	76	33	66·7	46·5	55·9	− 1·7	97	− 12	0	0	2	− 1	0·45	12	0	6·1	0·0	37	1015
5. ENGLAND, S.E.	75	34	65·6	49·6	57·1	− 1·4	106	− 10	0	0	2	0	0·18	5	− 5	6·5	−0·4	40	1015
Western.																			
6. SCOTLAND, WEST ...	74	39	64·4	46·7	54·9	− 1·1	90	− 8	0	0	3	− 1	0·55	14	− 4	6·1	−0·1	36	1017
7. ENGLAND, N.W.	73	39	64·7	47·8	55·6	− 1·4	95	− 10	0	0	3	0	0·65	17	+ 2	6·2	−0·1	37	1015
8. ENGLAND, S.W.	74	32	63·1	49·8	56·0	− 1·6	98	− 11	0	0	4	0	0·97	25	+ 11	3·1	−3·7	19	1014
9. IRELAND, NORTH ...	75	38	62·5	47·7	54·6	− 1·4	88	− 9	0	0	4	0	0·45	11	− 6	6·4	+0 9	38	1015
10. IRELAND, SOUTH ...	78	36	65·0	49·4	56·6	− 0 8	102	− 6	0	0	3	− 1	0·61	15	− 1	4·9	−1·0	30	1014
11. ENGLISH CHANNEL ...	69	50	64·2	53·9	58·6	+ 0·1	116	+ 1	0	0	5	+ 2	0·81	21	+ 11	3·1	−5 0	19	1012

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 4 Weeks, May 30th to June 26th, 1915.

0. SCOTLAND, NORTH ...	78	34	59·6	44·3	51·4	*	263	− 17	0	− 4	10	− 5	1·18	30	− 31	7·4	+2·0	42	1019
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·1	43·4	52·6	*	301	− 11	3	0	8	− 5	1·21	31	− 19	7·9	+1·8	46	1019
2. ENGLAND, N.E.	85	31	64·0	46·5	54·6	*	353	+ 15	0	0	4	− 8	0·45	12	− 31	7·6	+1·4	45	1020
3. ENGLAND, EAST ...	90	31	65·9	48·2	56·4	*	403	+ 12	0	0	5	− 6	0·34	9	− 40	8·3	+1·5	51	1020
4. MIDLAND COUNTIES ...	87	31	67·9	45·8	56·1	*	394	+ 3	0	− 1	4	− 7	0·63	16	− 33	7·8	+1·7	48	1019
5. ENGLAND, S.E.	88	29	66·0	48·5	56·7	*	412	− 7	0	0	4	− 6	0·29	8	− 39	7·7	+0·8	48	1019
Western.																			
6. SCOTLAND, WEST ...	76	30	64·0	46·1	54·4	*	348	− 1	0	− 1	9	− 4	1·40	35	− 32	7·8	+1·3	46	1020
7. ENGLAND, N.W.	77	32	64·7	47·3	55·4	*	374	+ 2	0	0	6	− 6	1·01	27	− 24	8·0	+1·3	48	1019
8. ENGLAND, S.W.	77	28	64·6	48·3	55·9	*	388	− 9	0	0	8	− 5	1·15	29	− 24	7·0	+0·1	43	1019
9. IRELAND, NORTH ...	75	34	62·4	47·3	54·4	*	347	0	0	0	12	− 2	1·70	43	− 17	7·6	+1·7	46	1018
10. IRELAND, SOUTH ...	78	34	64·8	49·1	56·4	*	401	+ 11	0	0	10	− 3	1·43	36	− 23	6·6	+0·2	40	1018
11. ENGLISH CHANNEL ...	77	43	63·5	52·2	57·4	*	432	+ 13	0	0	8	− 5	1·05	27	− 17	5·8	−2·2	36	1018

THE YEAR.—Aggregates, &c., for the Period of 25 Weeks, January 3rd to June 26th, 1915.

0. SCOTLAND, NORTH ..	80	12	48·8	36·8	42·6	*	625	− 43	503	− 54	108	− 7	21·51	545	− 31	3·8	+0·3	31	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	50·0	35·5	42·5	*	706	− 70	630	+ 10	90	− 3	12·04	306	− 17	4·3	+0·3	35	1011
2. ENGLAND, N.E.	85	20	51·1	38·2	44·4	*	846	+ 29	403	− 72	80	− 6	9·48	240	− 9	4·5	+0·3	37	1012
3. ENGLAND, EAST ..	90	18	52·3	39·1	45·4	*	994	0	381	−140	84	0	10·47	268	+ 20	4·7	+0·3	38	1013
4. MIDLAND COUNTIES ...	87	19	53·4	37·7	45·2	*	1020	− 2	451	− 82	74	− 8	11·18	284	+ 2	4·4	+0·4	36	1013
5. ENGLAND, S.E.	88	15	53·2	40·0	46·4	*	1097	+ 6	318	− 63	70	− 9	13·54	348	+ 70	4·6	+0·2	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	51·3	38·0	44·4	*	846	− 19	434	+ 9	91	− 8	17·32	439	− 65	4·7	+0·7	38	1012
7. ENGLAND, N.W.	77	21	51·7	39·2	45·2	*	906	− 8	344	− 42	80	−10	14·28	363	+ 14	4·9	+0·8	39	1013
8. ENGLAND, S.W.	79	17	52·8	40·8	46·4	*	1058	− 15	298	− 3	85	− 5	16·83	427	+ 27	4·5	0·0	36	1013
9. IRELAND, NORTH ...	75	20	51·4	39·1	45·1	*	891	− 39	352	+ 7	99	− 7	13·95	357	− 46	4·3	+0·4	35	1011
10. IRELAND, SOUTH ...	78	21	53·3	40·8	46·8	*	1118	− 4	284	+ 25	97	+ 1	15·79	405	− 33	4·4	+0·1	36	1013
11. ENGLISH CHANNEL ...	79	27	53·4	43·8	48·4	*	1237	− 6	120	+ 11	90	− 7	14·18	357	+ 23	4·6	−0·7	37	1014

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., June 30th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 26. TWENTY-SIXTH WEEK, SUNDAY, JUNE 27TH, TO SATURDAY, JULY 3RD, 1915.

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I.—Remarks.

The weather was upon the whole of a close, changeable character, more especially in the earlier half of the week when thunderstorms occurred in nearly all parts of the country. The storms were accompanied in many instances by heavy falls of rain. At Yarmouth a measurement of 32 mm. on June 28th was followed next day by another of 26 mm.; on the former date 31 mm. was registered at Geldeston and on the latter date 26 mm. at Tenby. On June 30th Rothamsted recorded 28 mm., Tottenham 35 mm. and Buxton no less than 71 mm. On July 3rd during a thunderstorm which occurred locally at Llangammarch Wells 28 mm. of rain was registered. Owing very largely to the heavy thunder showers the aggregate rainfall for the week was in most districts in excess of the normal; in England East it amounted to nearly three and a half times as much. Temperature was above the average in most districts, but slightly below it in England South-East and South-West, and appreciably below it in Scotland North. On July 3rd the thermometer rose slightly above 80° in the Midland Counties and England East and South-East; in most other districts the absolute maxima for the week were below 75°. Bright sunshine was very deficient, especially in the Irish districts, where it amounted to less than half the average. The mean daily duration ranged from a little above 5 hours in England South-East and a little above 4½ hours in England East to less than 2½ hours in Ireland and to less than 2 hours in Scotland North.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Heavy	Very heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Very scanty	Very scanty	Scanty	Scanty	Very scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Moderate

THE SEASON.

SUMMER. 5 weeks from May 30th, 1915.	Warmth ...	1, 2, 2	1, 2, 2	2, 1, 2	2, 1, 2	1, 3, 1	1, 1, 3	2, 2, 1	1, 3, 1	1, 2, 2	1, 4, 0	2, 3, 0	1, 3, 1
	Rainfall ...	0, 3, 2	0, 3, 2	1, 1, 3	1, 1, 3	1, 1, 3	1, 1, 3	1, 2, 2	1, 1, 3	2, 0, 3	2, 1, 2	1, 2, 2	1, 1, 3
	Sunshine ...	2, 2, 1	2, 0, 3	2, 2, 1	4, 0, 1	3, 1, 1	1, 3, 1	1, 3, 1	2, 2, 1	2, 1, 2	1, 3, 1	1, 2, 2	0, 2, 3

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, July 3rd. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	58	56	56·9	+1·7
Wick*	48	48	48·0	-3·7	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	49	47	48·4	-2·4
Ballantrae	56	52	54·0	+0 6	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	59	55	57·0	-0·5
Scilly	58	56	56·9	—	ENGLAND, S.E.				
Plymouth‡	60	57	58·5	+1·2	Eastbourne‡	60	59	59·3	-0·6
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	60	55	58·5	+2·0	Port Erin	55	52	52·9	-0 2

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean	Difference from Average.	Earth 4 ft. Mean.	Difference from Average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	°	in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
p Baltasound	*31*	*63*	*3rd*	*43*	*2nd*	*54·7*	*46·5*	*50·3*	—	*6*	*0·57*	*14*	—	*1·0*	—	*5*	•	•	51·8	•	•	•	*Baltasound.*
a Lerwick	54	61	3rd	45	2nd	52·9	47·3	49·9	- 0·3	5	0·47	12	—	0·2	- 4·7	1	•	•	•	•	•	•	Deerness.
a, Islands .. *a* Stornoway	51	63	2nd	46	2nd	59·7	50·3	54·7	+ 1·7	4	0·37	9	- 6	3·7	- 2·2	21	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*63*	*27th*	*51*	*30, 1*	*60·3*	*52·3*	*56·0*	+ *2·6*	*4*	*0·69*	*17*	—	*3·6*	—	*20*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	62	2, 3	?44	2nd	?55·6	?48·3	?51·7	- 1·0	4	0·69	18	+ 5	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	71	3rd	50	30, 1	64·4	51·3	57·4	+ 2·7	5	0·99	25	+ 12	1·2	- 3·8	7	•	•	•	•	•	•	Strathpeffer.
b, Main- *p* Glencarron	500	69	29th	49	1st	62·0	51·1	56·2	+ 2·8	5	0·83	21	- 5	•	•	•	•	•	•	•	•	•	
land. *p* Fort Augustus	68	68	29th	45	2nd	63·1	52·0	57·2	+ 2·5	5	1·05	27	+ 14	2·3	- 1·9	13	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	73	30th	44	2nd	66·0	51·4	58·2	+ 2·4	5	1·38	35	+ 11	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																						
p Gordon Castle	101	71	3rd	45	2nd	62·9	50·1	56·1	+ 0·6	4	0·19	5	- 9	2·1	—	12	0	39	56·4	+1·3	52·1	0·0	Crathes.
a Nairn	82	72	3rd	43	2nd	62·7	49·0	55·4	+ 0·4	4	0·45	11	0	2·9	—	16	•	•	•	•	•	•	Nairn.
a Aberdeen	46	71	3rd	48	2nd	61·7	51·1	56·0	+ 1·3	1	0·08	2	- 11	2·9	- 3·1	16	•	•	•	•	52·1	+1·2	Aberdeen.
a Balmoral	930	67	3rd	43	2nd	62·1	49·3	55·3	+ 2·1	5	0·97	25	+ 12	•	•	•	0	40	•	•	•	•	Balmoral.
p Crieff	432	71	3rd	48	2nd	67·0	50·9	58·4	+ 1·8	5	0·59	15	- 2	2·9	—	17	•	•	•	•	•	•	Balruddery.
a Leith	18	72	3rd	50	1st	64·9	52·3	58·2	+ 1·5	4	0·28	7	- 5	•	•	•	•	•	•	•	•	•	
a West Linton	769	68	3rd	45	29th	64·9	48·1	55·9	+ 2·6	5	1·21	31	—	*3·8*	—	*22*	0	36	•	•	•	•	*West Linton.*
p Marchmont	498	71	3rd	47	2nd	65·1	50·4	57·2	+ 2·6	4	0·60	15	0	3·6	- 2·5	21	0	43	•	•	•	•	Marchmont.
a Edinburgh	*441*	*70*	*3rd*	*48*	*29th*	*63·9*	*50·7*	*56·8*	—	*4*	*0·42*	*11*	—	4·2	—	24	0	43	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																						
a Poltalloch	132	70	3rd	51	2nd	65·6	53·6	59·2	+ 2·6	4	1·17	30	+ 11	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	69	3rd	52	30, 1, 2	67·1	53·0	59·6	+ 3·5	4	0·49	13	- 4	4·1	- 1·2	24	0	43	•	•	•	•	Glasgow.
p Rothesay‡	170	69	30th	49	2nd	66·0	51·4	58·2	+ 1·4	5	1·68	42	+ 23	*3·8*	—	*22*	0	46	59·3	•	54·3	+1·0	*Rothesay.*
a Kilmarnock	90	70	3rd	46	29th	66·7	50·1	57·8	+ 1·1	5	1·67	42	—	*4·2*	—	*25*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	71	2nd	45	30th	67·1	50·6	58·3	+ 2·0	3	0·55	14	- 1	•	•	•	0	40	•	•	•	•	
a Dumfries	160	71	29th	51	30th	67·1	52·9	59·5	+ 2·0	5	0·56	14	- 1	*2·7*	—	*16*	0	45	60·9	•	57·2	•	*Dumfries.*
Eskdalemuir	*799*	*68*	*29th*	*48*	*2nd*	*64·4*	*50·1*	*56·8*	—	*4*	*1·34*	*34*	—	*3·0*	—	*18*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	69	30th	48	1st	66·0	50·9	57·9	+ 1·2	3	1·15	29	+ 11	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas	277	66	30th	48	28, 30	62·4	50·9	56·3	+ 0·2	3	1·19	30	+ 15	3·5	- 3·6	21	0	44	•	•	•	•	Douglas.
2. ENGLAND, N.E.																						
a Alnwick Castle	210	72	3rd	50	28, 2	65·4	52·7	58·6	+ 3·2	3	0·34	9	- 4	5·2	—	30	0	45	59·5	+4·4	54·6	+1·8	Cockle Park.
a Tynemouth	71	70	2nd	52	27, 1	64·7	53·4	58·7	+ 3·0	3	0·43	11	- 1	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	70	30th	48	30th	67·0	52·0	59·0	+ 2·5	3	0·57	15	+ 3	3·6	- 2·1	21	0	41	•	•	•	•	Durham.
a, North .. *p* Rounton	249	73	3rd	45	28th	68·6	49·9	58·6	+ 2·7	4	0·56	14	+ 2	•	•	•	0	41	58·6	•	•	•	Rounton.
a West Witton	*605*	*70*	*27, 1*	*48*	*27th*	*63·4*	*51·6*	*59·4*	—	*6*	*0·74*	*19*	—	•	•	•	0	41	58·2	•	51·4	•	*West Witton.*
p Scarborough	100	75	3rd	50	3rd	65·0	52·7	58·4	+ 1·8	1	0·26	7	- 4	5·8	—	34	•	•	•	•	55·4†	•	Scarborough.
p York	56	73	30, 3	49	28th	69·3	53·4	60·8	+ 2·5	6	0·54	14	+ 1	3·0	- 2·9	18	•	•	58·9	+2·3	55·0	-0·6	York.
b, South .. *a* Spurn Head	26	69	3rd	50	29th	65·1	51·9	58·0	+ 1·2	2	0·55	14	+ 5	*3·5*	—	*21*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	75	3rd	50	28, 2	68·1	53·0	60·0	+ 0·7	4	1·97	50	+ 18	•	•	•	•	•	60·3	+2·7	57·0	+2·9	Lincoln.
a Fulbeck	180	76	3rd	46	28th	68·4	50·7	58·9	+ 0·2	7	1·28	33	+ 21	3·0	—	18	0	?40	61·7	+1·8	56·9	-0·1	Rauceby.
														4·6	—	28	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																						
p Cromer	196	74	3rd	52	27, 28, 1	67·4	53·9	60·2	+ 2·6	5	0·35	9	—	4·1	—	25	•	•	•	•	•	•	Cromer.
p Little Massingham	280	79	3rd	50	27, 28	70·1	53·3	61·7	+ 2·7	4	1·19	30	+ 16	4·1	- 2·5	25	0	46	•	•	•	•	Lit. Massingham
a, North .. *a* Yarmouth	17	75	3rd	54	28, 1	66·4	55·9	60·8	+ 3·1	5	2·31	60	+ 48	4·7	—	28	•	•	63·4	+1·9	58·9	+0·3	Yarmouth.
a Norwich	93	81	3rd	51	27, 28	70·6	54·9	61·7	+ 3·6	5	0·54	14	—	*2·9*	—	*17*	0	45	61·8	•	•	•	*Norwich.*
a Geldeston	37	80	3rd	50	2nd	71·3	53·9	62·0	+ 3·9	4	1·55	59	+ 28	4·1	- 2·7	25	•	•	•	•	•	•	Geldeston.
p Cambridge	41	79	3rd	50	27, 2	70·6	52·4	60·9	+ 1·3	5	1·40	36	+ 24	4·9	- 1·7	30	0	45	62·5	+2·9	58·1	+1·4	Cambridge.
a Clacton-on-Sea	54	72	2, 3	53	1st	66·9	55·9	61·0	+ 2·3	2	0·16	4	—	5·5	—	34	0	49	60·7	+2·1	56·8	-0·1	Clacton.
b, South .. *a* Rothamsted	424	78	3rd	47	2nd	68·7	50·6	59·0	+ 0·6	5	1·65	42	+ 29	5·4	- 1·1	33	0	40	60·7	•	•	•	Rothamsted.
p Tottenham	51	80	2nd	52	30th	70·7	55·3	62·5	+ 2·5	3	1·69	43	—	4·5	—	27	0	49	•	•	60·0	+2·5	Tottenham.
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	71	3rd	47	28th	67·6	50·3	58·4	+ 2·0	5	1·09	28	+ 14	4·0	—	24	0	41	57·1	+3·1	54·7	+1·9	Harrogate.
p Buxton	*987*	*69*	*3rd*	*44*	*27th*	*64·4*	*50·4*	*56·9*	+ *1·5*	*6*	*3·65*	*93*	+ *74*	*3·6*	—	*22*	0	35	58·3	+2·8	54·6	+3·2	*Buxton.*
a Bawtry	65	76	3rd	46	27, 2	69·0	51·0	59·4	+ 0·7	5	1·10	28	+ 17	4·1	—	25	0	43	56·5	+0·5	52·7	+0·6	Sheffield.
a Nottingham	82	76	3rd	47	27th	69·9	51·0	59·8	+ 1·2	5	0·87	22	+ 10	2·4	- 3·1	14	0	39	58·4	•	55·6	•	Worksop.
b, East .. *p* Birmingham, Edgbsn.	535	70	29th	50	27th	66·9	52·6	59·3	+ 1·6	2	0·49	10	- 3	3·5	—	21	0	41	62·0	+4·8	55·8	+0·8	Nottingham.
a Raunds	203	82	3rd	46	2nd	72·6	49·9	60·5	+ 1·3	1	0·23	6	—	1·8	—	11	0	38	55·9	+3·2	51·8	+1·4	Birmingham.
p Oxford	208	77	3rd	51	27, 29, 2	70·0	52·7	60·8	+ 1·4	5	0·70	18	+ 5	*4·2*	—	*25*	0	40	61·0	•	55·0	•	*Raunds.*
														3·8	- 2·7	23	0	46	•	•	•	•	Oxford.
a Cheadle	646	74	3rd	46	27th	68·6	51·0	59·2	+ 2·6	5	1·33	34	+ 19	•	•	•	0	44	•	•	•	•	Cheadle.
p Shrewsbury	191	70	27, 3	46	1st	68·3	50·7	58·9	+ 0·7	5	1·23	31	—	•	•	•	0	42	•	•	•	•	Shrewsbury.
c, West .. *a* Hereford§	291	72	2nd	45	1st	69·4	50·4	59·2	+ 0·3	4	0·86	22	+ 9	*3·8*	—	*23*	0	43	62·7	•	59·3	•	*Malvern.*§
a Cirencester	446	71	1, 3	46	29th	67·3	49·9	58·0	+ 0·4	5	0·52	13	- 1	2·7	- 3·7	16	0	43	60·4	•	56·5	•	Cirencester.
a Bath	66	75	3rd	49	29, 1	68·9	52·0	59·9	+ 0·8	4	1·14	29	+ 15	4·6	—	28	•	•	62·3	+2·1	59·0	+1·8	Bath.
5. ENGLAND, S.E.																						
a Marlborough	424	76	3rd	44	29th	68·3	48·6	57·8	- 0·1	2	0·29	7	- 8	6·7	—	41	0	48	62·9	+3·0	58·1	+0·9	Worthing.
a Margate	53	78	3rd	53	28, 1	68·9	55·0	61·5	+ 2·1	2	0·39	10	- 1	3·2	- 2·8	20	0	40	61·0	•	56·3	•	Margate.
a Wisley, Surrey	150	81	3rd	49	1st	70·1	52·4	60·6	0·0	5	1·07	27	—	5·1	- 1·1	31	0	51	62·5	+4·1	58·9	+2·8	Wisley.
p Salisbury (Wilton)	180	74	1, 2	49	1st	69·0	51·0	59·4	- 0·8	4	1·15	29	+ 16	4·7	—	29	0	42	61·5	+2·4	57·1	+0·6	Salisbury.
a Tunbridge Wells	354	80	3rd	46	1st	69·4	51·4	59·8	+ 1·2	3	0·55	11	- 2	•	•	•	0	46	63·3	•	•	•	Salisbury.
														5·3	- 1·4	33	0	39	61·3	+0·6	57·8	•	Tunbridge Wells.
a Dungeness	21	66	3rd	51	1st	63·0	54·1	58·2	- 0·3	3	0·16	4	- 5	•	•	•	•	•	•	•	•	•	
p Hastings	178	74	3rd	53	1, 2	64·1	54·1	58·8	- 0·2	3	0·32	8	- 4	4·8	- 2·8	29	0	49	62·3	•	58·1	•	Littlestone.
p Southampton	64	77	3rd	52	1st	69·1	54·3	61·2	+ 0·3	4	1·10	28	+ 16	5·3	- 1·7	33	0	45	•	•	•	•	Hastings.
a Ventnor	59	71	3rd	53	27th	65·6	55·0	59·9	- 0·2	3	0·76	19	+ 7	7·2	+ 0·7	45	•	•	•	•	•	•	Southampton.
LONDON. *p* Kew	18	81	3rd	51	1st	71·4	54·3	62·3	+ 2·7	3	0·32	8	- 5	4·4	- 2·1	27	0	43	60·8	+2·1	56·1	+0·3	Ventnor.
a Westminster	*27*	*81*	*3rd*	*51*	*1st*	*70·6*	*55·0*	*62·3*	+ *2·0*	*2*	*0·46*	*12*	- *1*	*4·2*	- *1·4*	*26*	0	48	•	•	•	•	Kew.
a Greenwich	*155*	*86*	*3rd*	*51*	*2nd*	*74·7*	*53·6*	*63·4*	+ *2·4*	*4*	*0·31*	*8*	- *4*	*4·9*	- *2·0*	*30*	0	42	•	•	•	•	*Westminster.*
a Hampstead	*450*	*79*	*3rd*	*50*	*29, 1*	*69·2*	*51·8*	*59·9*	—	*4*	*0·35*	*9*	—	*4·5*	—	*27*	0	36	•	•	•	•	*Greenwich.*
a Camden Square	*110*	*84*	*3rd*	*52*	*1st*	*74·1*	*54·6*	*63·7*	—	*3*	*0·31*	*8*	—	*4·1*	—	*25*	0	48	•	•	•	•	*Hampstead.*
																							Camden Square.
7. *a*, ENGLAND, N.W.																						
p Aspatria	250	69	30th	49	28, 1	66·0	51·1	58·0	+ 2·1	4	0·89	23	+ 7	3·7	—	22	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	72	30th	46	29th	65·0	50·3	58·5	+ 3·1	6	0·64	16	+ 3	3·9	—	23	0	39	58·8	•	53·2	•	Aspatria.
p Stonyhurst	375	69	30th	48	2nd	66·3	52·7	59·0	+ 1·4	7	1·60	41	+ 22	4·5	- 2·2	26	0	36	59·5	+2·5	53·9	+1·0	Newton Rigg.
p Blackpool	66	66	27, 28	49	2nd	64·3	53·6	58·6	+ 1·0	4	1·16	29	+ 16	1·8	- 4·6	11	0	32	•	•	•	•	Stonyhurst.
a Southport	*37*	*68*	*27th*	*50*	*2nd*	*63·6*	*54·0*	*58·5*	+ *0·9*	*4*	*1·28*	*33*	+ *20*	5·8	- 0·7	34	0	43	61·8	•	54·6	•	Blackpool.
a Liverpool (Bidston)	188	67	27, 2	51	27th	64·6	53·6	58·7	+ 0·4	4	0·63	16	+ 2	*5·0*	- *1·7*	*30*	0	43	63·2	+2·9	58·1	+0·4	*Southport.*
a Hawarden Bridge	*22*	*73*	*2nd*	*47*	*27th*	*67·1*	*53·3*	*59·7*	+ *1·2*	*3*	*0·81*	*21*	+ *9*	*4·6*	—	*28*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	70	27, 3	49	2nd	66·4	51·6	60·1	+ 1·6	6	1·52	39	+ 25	*3·0*	—	*18*	0	43	60·9	+4·1	58·8	+3·5	*Manchester (City)*
														2·8	- *2·5*	*17*	•	•	•	•	•	•	" *(Whit. Park).*
b, NORTH WALES.																						
p Llandudno	71	67	2, 3	51	2nd	65·3	54·1	59·3	+ 1·1	4	0·65	17	+ 5	4·1	- 2·5	25	•	•	•	•	•	•	Llandudno
a Holyhead	15	65	29, 1	51	29th	61·6	53·1	57·1	+ 0·4	4	1·02	26	+ 13	*3·2*	—	*19*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*69*	*30th*	*46*	*1st*	*64·7*	*51·9*	*57·9*	*0·0*	*3*	*0·56*	*14*	—	*3·0*	—	*18*	•	•	57·3	+3·0	53·1	+0·7	*Bettws-y-Coed.*
														4·3	—	26	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.		Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														3·3	—	20	•	•	•	•	•	•	
a Llangammarch Wells	550	68	1st	42	2nd	64·4	50·8	57·1	+ 0·3	5	2·00	51	—	3·1	—	19	0	35	57·4	+2·1	52·8	+0·7	Llangammarch.
a Pembroke	149	63	1st	51	27th	59·3	53·0	55·9	− 0·8	5	1·06	27	+ 14	3·6	− 3·8	22	•	•	•	•	•	•	Pembroke.
p Cardiff	202	70	1, 3	48	29th	66·3	52·1	58·7	− 0·7	5	0·67	17	+ 1	*5·3*	—	*32*	0	40	60·5	+0·9	57·0	+0·8	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	71	1, 3	51	29th	67·0	53·4	59·7	+ 0·1	5	1·04	26	+ 11	*4·4*	—	*27*	0	48	•	•	•	•	*Clifton.*
a Shaftesbury	722	75	3rd	48	27th	67·3	50·6	58·4	+ 0·7	4	0·51	13	− 1	•	•	•	0	•	59·7	•	56·9	•	Shaftesbury.
a Arlington	613	71	3rd	44	1st	64·4	49·0	56·2	− 0·1	5	0·53	13	− 7	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*69*	*3rd*	*49*	*2nd*	*63·7*	*53·1*	*57·6*	− *0·7*	*5*	*1·11*	*28*	+ *16*	4·3	− 2·8	27	0	45	59·9	•	56·2	•	Newquay.
a Cullompton	202	76	3rd	46	1, 2	68·3	51·0	59·1	+ 0·6	5	0·92	23	+ 9	4·6	− 1·8	28	0	42	60·8	•	•	•	Cullompton.
a Portland Bill	19	63	3rd	52	28th	60·1	53·6	56·6	− 1·3	4	0·52	13	—	*5·3*	—	*36*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	70	1st	49	2nd	(64·7	54·1	59·0	− 0·6	4	0·78	20	+ 6	4·7	− 2·2	29	0	43	60·6	0·0	56·9	•	Plymouth.
a Falmouth	167	66	29, 1, 2	52	27, 2	64·0	54·3	58·8	+ 0·3	2	0·38	10	− 4	6·0	− 1·4	37	0	47	61·7	•	58·6	•	Falmouth.
9. IRELAND. N.																							
a Malin Head	208	68	3rd	52	27–29	62·1	53·0	57·2	+ 2·4	4	1·10	28	+ 14	*4·4*	—	*26*	•	•	•	•	•	•	*Malin Head.*
a, West .. *a* Blacksod Point	?	62	29, 1–3	51	1st	60·1	52·6	56·1	− 0·3	6	0·75	19	+ 3	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	70	1, 3	51	30th	64·3	53·0	58·3	+ 2·7	6	1·47	37	+ 19	3·1	− 2·1	18	0	43	59·4	•	54·7	•	Markree Castle.
a Birr Castle	175	70	1st	50	29, 1	64·0	52·7	58·0	+ 0·8	6	1·54	39	+ 25	*2·1*	− *3·3*	*13*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	72	2nd	52	27, 30	67·0	53·6	59·8	+ 3·4	6	0·59	15	0	2·2	− 3·3	13	0	48	59·5	+1·9	55·3	+0·6	Armagh.
a Donaghadee	101	73	2nd	47	29th	62·9	50·7	56·4	+ 0·4	4	0·68	17	+ 3	•	•	•	•	•	•	•	•	•	•
																							Trinity Coll.
10. IRELAND. S.														1·6	− 4·8	10	0	46	•	•	•	•	Phœnix Park.
p Dublin, City	47	70	2nd	53	29, 30	64·4	55·0	59·4	+ 0·2	7	1·46	37	+ 25	•	•	•	0	50	•	•	•	•	Dublin City.
a, East .. *a* Kilkenny	212	72	2nd	51	30, 1	65·6	53·9	59·3	+ 1·1	6	0·86	22	+ 8	•	•	•	•	•	•	•	•	•	•
a Waterford	30	69	30th	53	1st	64·6	54·7	59·3	+ 0·9	5	1·03	26	+ 9	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*69*	*29, 30, 2*	*50*	*27th*	*64·6*	*51·9*	*57·3*	—	*5*	*0·67*	*17*	—	*3·4*	—	*20*	0	48	•	•	•	•	*Seskin.*
a Birr Castle	175	70	1st	50	29, 1	64·0	52·7	58·0	+ 0·8	6	1·54	39	+ 25	2·1	− 3·3	13	•	•	•	•	•	•	Birr Castle.
a Foynes	50	69	1st	52	1st	64·9	54·4	59·3	+ 1·3	6	1·52	39	+ 24	•	•	•	•	•	•	•	•	•	•
b, West .. *a* Cahir	198	71	2nd	52	27, 1	66·0	53·9	59·5	+ 1·7	6	0·92	23	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	72	1st	50	1st	65·4	55·4	60·1	+ 2·7	6	1·61	41	+ 24	•	•	•	•	•	•	•	•	•	•
a Valencia	30	66	2nd	52	1st	62·3	55·3	58·6	+ 1·1	6	1·22	31	+ 11	3·1	− 2·9	19	•	•	•	•	•	•	Valencia.
a Roche's Point	32	68	30th	53	1st	64·0	55·4	59·4	+ 1·7	7	1·10	28	+ 12	2·7	—	16	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	3rd	54	29,30,1,2	63·4	54·6	58·7	− 0·2	2	0·17	4	− 7	7·6	− 0·4	47	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	77	3rd	50	3rd	66·1	54·4	59·8	− 0·2	3	0·12	3	− 9	10·0	+ 1·9	62	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	74	3rd	52	28th	65·7	53·6	59·2	− 0·3	2	0·12	3	− 9	9·1	+ 0·9	57	0	45	62·2	+1·3	59·0	+0·8	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, July 3rd, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	15**	—	—	—	—	—	81	57	30	SSE.	5 3rd 15h.	12 3rd 15 . 35
Aberdeen*	105	37 / 52	—	—	—	—	8	77	83	0	S.	7 3rd 16h.	13 3rd 15 . 45
Edinburgh	39	31	—	—	—	—	—	—	—	—	—	— —	— — —
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	3rd	1	25	86	58	0	S. by W.	11 3rd 15h.	16 3rd 14 . 56
Paisley (Coats Obs.)	81	52	—	—	—	—	2	101	65	0	NW. by W.	6 2nd 15h.	12 2nd 15 . 20
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	—	25	143	0	WSW.	4 2nd 14h.	9 2nd 13 . 59
South Shields ..	61	12	—	—	—	—	6	80	82	0	SE. by S.	7 27th 10h.	12 2nd 18 . 23
Spurn Head	40	‡	—	—	—	—	—	61	107	0	W by N.	5 3rd 16h.	9 2nd 14 . 25
3. ENGLAND, E.													
Gorleston	42	‡‡	—	—	—	—	36	132	0	0	—	11 27th 12h.	13 27th 11 . 53
Shoeburyness ..	90	‡‡	—	—	—	—	25	137	6	0	SSW.	9 27th 15h.	12 27th 9 . 36
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	6	91	71	0	WSW.	6 28th 18h.	13 28th 17 . 27
5. ENGLAND, S.E.													
Dover	40	‡‡‡	—	—	28th	2	50	68	48	0	—	12 28th 13h.	15 28th 13 . 12
Warlingham ..	33	‡‡‡	—	—	—	—	7	137	24	0	—	7 27th 13h.	14 28th 15 . 50
Brighton	53	§	—	—	—	—	12	44	0	112	—	8 28th 12h.	13 28th 17 . 35
Kew†	65	7 / 22	—	—	—	—	2	115	51	0	SW. by S.	7 27th 13h.	11 27th 12 . 12
South Kensington ..	92	30	—	—	—	—	—	62	103	0	S.	5 27th 13h.	10 28th 14 . 5
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	—	42	126	0	SW.	5 2nd 22h.	10 2nd 22 . 15
Southport	62	48	—	—	—	—	38	114	16	0	SW. by W.	10 3rd 2h.	14 3rd 1 . 35
Holyhead*	40	‡	—	—	—	—	44	86	38	0	SW.	10 2nd 20h.	16 3rd 10 . 38
8. ENGLAND, S.W.													
Pendennis Castle* ..	65	24	—	—	—	—	81	75	12	0	—	10 30th 8h.	18 30th 8 . 17
Plymouth	88	2	—	—	30th	1	102	35	30	0	—	11 30th 13h.	16 30th 11 . 37
10. IRELAND, S.													
Quilty	40	‡‡‡	—	—	—	—	70	75	2	21	—	9 2nd 16h.	13 2nd 4 . 5
Weaver Pt.	30	‡‡	—	—	—	—	67	90	11	0	—	9 2nd 13h.	15 2nd 12 . 45
11. ENGLISH CHANNEL.													
Scilly*	32 / 19	‡	—	—	—	—	89	72	7	0	WNW.	9 28th 4h.	14 27th 22 . 15

*. Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

§ Record defective.

** Above tops of trees.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTY-SIXTH WEEK—June 27th to July 3rd, 1915.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Mean for the Week at M.S.L.
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	73	44	60·5	50·2	55·0	+ 0·7	91	+ 5	0	0	5	+ 1	0·83	21	+ 2	1·9	−2·8	10	1013
Eastern.																			
1. SCOTLAND, EAST ...	72	43	63·9	50·2	56·6	+ 0·6	102	+ 4	0	0	4	+ 1	0·55	14	0	3·1	−2·9	18	1013
2. ENGLAND, N.E.	76	45	66·8	52·2	59·0	+ 1·4	119	+ 10	0	0	4	+ 2	0·72	19	+ 8	4·2	−2·3	25	1014
3. ENGLAND, EAST ...	81	47	69·2	53·9	61·0	+ 1·4	133	+ 10	0	0	4	+ 2	1·21	31	+ 22	4·7	−2·7	28	1015
4. MIDLAND COUNTIES ...	82	45	69·0	51·0	59·4	+ 0·2	122	+ 1	0	0	4	+ 1	0·86	22	+ 10	3·4	−3·2	20	1015
5. ENGLAND, S.E.	81	44	67·9	53·0	60·0	− 0·2	126	− 1	0	0	3	0	0·60	15	+ 6	5·2	−2·3	32	1015
Western.																			
6. SCOTLAND, WEST ...	71	45	66·0	51·7	58·4	+ 1·5	115	+ 11	0	0	4	+ 1	1·06	27	+ 9	3·8	−2·3	22	1014
7. ENGLAND, N.W.	72	46	65·3	52·9	58·7	+ 0·5	117	+ 3	0	0	5	+ 1	1·01	26	+ 11	4·0	−2·4	24	1014
8. ENGLAND, S.W.	76	42	64·6	52·2	58·0	− 0·8	112	− 6	0	0	4	+ 2	0·84	21	+ 8	4·2	−2·7	26	1016
9. IRELAND, NORTH ...	73	47	63·4	52·6	57·6	+ 0·5	109	+ 3	0	0	5	+ 1	1·02	26	+ 10	2·7	−2·4	16	1013
10. IRELAND, SOUTH ...	72	50	64·6	54·5	59·2	+ 0·7	120	+ 5	0	0	6	+ 3	1·25	32	+ 17	2·4	−3·3	14	1015
11. ENGLISH CHANNEL ...	77	50	65·1	54·2	59·2	+ 0·6	120	− 4	0	0	2	− 1	0·14	3	− 7	8·9	+0·5	56	1017

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 5 Weeks, May 30th to July 3rd, 1915.

0. SCOTLAND, NORTH ...	78	34	59·8	45·5	52·1	*	354	− 12	0	− 4	15	− 4	2·01	51	− 29	6·3	+1·1	36	1017
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·3	44·8	53·4	*	403	− 7	3	0	12	− 4	1·76	45	− 19	6·9	+0·8	40	1018
2. ENGLAND, N.E.	85	31	64·5	47·7	55·5	*	472	+ 25	0	0	8	− 6	1·17	31	− 23	6·9	+0·6	41	1019
3. ENGLAND, EAST ...	90	31	66·6	49·3	57·3	*	536	+ 22	0	0	9	− 4	1·55	40	− 18	7·6	+0·7	46	1019
4. MIDLAND COUNTIES ...	87	31	68·1	46·9	56·7	*	516	+ 4	0	− 1	8	− 6	1·49	38	− 23	6·9	+0·7	42	1018
5. ENGLAND, S.E.	88	29	66·4	49·4	57·3	*	538	− 8	0	0	7	− 6	0·89	23	− 33	7·2	+0·2	45	1018
Western.																			
6. SCOTLAND, WEST ...	76	30	64·4	47·2	55·2	*	463	+ 10	0	− 1	13	− 3	2·46	62	− 23	7·0	+0·6	41	1018
7. ENGLAND, N.W.	77	32	64·8	48·4	56·0	*	491	+ 5	0	0	11	− 5	2·02	53	− 13	7·2	+0·6	43	1018
8. ENGLAND, S.W.	77	28	64·6	49·0	56·3	*	500	− 15	0	0	12	− 3	1·99	50	− 16	6·4	−0·5	40	1018
9. IRELAND, NORTH ...	75	34	62·6	48·3	55·0	*	456	+ 3	0	0	17	− 1	2·72	69	− 7	6·6	+0·9	40	1017
10. IRELAND, SOUTH ...	78	34	64·8	50·2	56·9	*	521	+ 16	0	0	16	0	2·68	68	− 6	5·8	−0·5	35	1017
11. ENGLISH CHANNEL ...	77	43	63·8	52·6	57·8	*	552	+ 9	0	0	10	− 6	1·19	30	− 24	6·4	−1·7	40	1017

THE YEAR.—Aggregates, &c., for the Period of 26 Weeks, January 3rd to July 3rd, 1915.

0. SCOTLAND, NORTH ...	80	12	49·3	37·3	43·1	*	716	− 38	503	− 54	113	− 6	22·43	569	− 26	3·7	+0·2	30	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	50·5	36·1	43·0	*	808	− 66	630	+ 10	94	− 2	12·59	320	− 17	4·3	+0·2	34	1011
2. ENGLAND, N.E.	85	20	51·7	38·8	45·0	*	965	+ 39	403	− 72	84	− 4	10·30	261	+ 1	4·5	+0·2	36	1012
3. ENGLAND, EAST ...	90	18	52·9	39·6	46·0	*	1127	+ 10	381	−140	88	+ 2	11·68	299	+ 42	4·7	+0·2	37	1013
4. MIDLAND COUNTIES ...	87	19	54·0	38·2	45·8	*	1142	− 1	451	− 82	78	− 7	12·04	306	+ 12	4·4	+0·3	35	1013
5. ENGLAND, S.E.	88	15	53·8	40·5	46·9	*	1223	+ 5	318	− 63	73	− 9	14·14	363	+ 76	4·6	+0·1	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	54·9	38·5	44·9	*	961	− 8	434	+ 9	95	− 7	18·38	466	− 56	4·7	+0·6	37	1012
7. ENGLAND, N.W.	77	21	52·2	39·7	45·7	*	1023	− 5	344	− 42	85	− 9	15·24	388	+ 24	4·8	+0·7	39	1013
8. ENGLAND, S.W.	79	17	53·3	41·2	46·8	*	1170	− 21	298	− 3	89	− 3	17·61	446	+ 33	4·5	−0·1	36	1013
9. IRELAND, NORTH ...	75	20	51·8	39·6	45·5	*	1000	− 36	352	+ 7	104	− 6	14·94	382	− 37	4·2	+0·3	34	1012
10. IRELAND, SOUTH ...	78	21	53·7	41·3	47·3	*	1238	+ 1	284	+ 25	103	+ 4	17·04	437	− 16	4·3	−0·1	34	1013
11. ENGLISH CHANNEL ...	79	27	53·8	44·2	48·8	*	1357	− 10	120	+ 11	92	− 8	14·32	360	+ 16	4·8	−0·7	38	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS M.A., Acting Superintendent of Statistics.
South Kensington, S.W., July 7th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 27. TWENTY-SEVENTH WEEK, SUNDAY, JULY 4TH TO SATURDAY, JULY 10TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks.

Weather remained very changeable, especially in the earlier half of the week, when thunderstorms occurred in most parts of Great Britain. The storms of the 4th were accompanied in many instances by exceedingly heavy falls of rain and hail. At Hull the rainfall amounted to 44 mm., at Llangammarch Wells to 48 mm., at Nottingham to 59 mm., and at Skegness to 65 mm. At Great Malvern and at Combe Martin (North Devon) the hailstorm which occurred on that day was of exceptional severity. On the 6th further heavy falls of rain were experienced in several isolated parts of Great Britain, and also in the south of Ireland—as much as 42 mm. at West Witton and 32 mm. at Kilkenny and Carrick-on-Suir. On the following day thunderstorms occurred in the east of England, and heavy rain in the east of Scotland, the amounts recorded in the latter district being as large as 37 mm. at West Linton and 32 mm. at Crathes and Marchmont. Temperature was below the average in most districts, but well above it in Scotland North and England East. On the 4th the thermometer rose above 80° in the south and east of England, and touched 85° at Kew, but at many stations in Ireland and North Britain the absolute maxima for the week were below 70°. Bright sunshine was deficient in all but the English Channel district. The mean daily duration ranged from 3·3 hours in Scotland North to a little over 6 hours in England East and South-East, and to nearly 10 hours in the English Channel.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate
	Rainfall ...	Light	Heavy	Very heavy	Heavy	Very heavy	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate
	Sunshine ...	Scanty	Scanty	Scanty	Moderate	Scanty	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate	Abundant

THE SEASON.

SUMMER. 6 weeks from May 30th, 1915.	Warmth ...	2, 2, 2	1, 3, 2	2, 2, 2	2, 2, 2	1, 4, 1	1, 2, 3	2, 3, 1	1, 4, 1	1, 3, 2	1, 5, 0	2, 3, 1	1, 4, 1
	Rainfall ...	0, 3, 3	1, 3, 2	2, 1, 3	2, 1, 3	2, 1, 3	2, 1, 3	1, 3, 2	2, 1, 3	3, 0, 3	2, 2, 2	2, 2, 2	1, 2, 3
	Sunshine ...	2, 2, 2	2, 0, 4	2, 2, 2	4, 1, 1	3, 1, 2	1, 3, 2	1, 3, 2	2, 3, 1	2, 2, 2	1, 3, 2	1, 3, 2	1, 2, 3

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, July 10th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	59	56	57·4	+1·1
Wick*	48	48	48·0	-4·1	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	49	47	47·9	-4·1
Ballantrae	56	53	54·3	-0 3	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	60	59	59·2	+0·8
Scilly	59	57	58·0	—	ENGLAND, S.E.				
Plymouth‡	61	58	59·2	+1·6	Eastbourne‡	62	61	61·3	+1·0
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	59	56	58·0	+1·2	Port Erin	58	52	51·1	+0·1

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*													*	*		*	*	*	*	*	*	*Baltasound.*
a, Islands .. *a* Lerwick ..	54	59	6th	45	9th	55·7	48·6	51·9	+ 0·8	4	0·55	14	—	3·0	- 1·7	17	*	*	*	*	*	*	Deerness.
a Stornoway	51	63	5th	47	7th	59·6	51·1	55·1	+ 1·8	6	0·59	15	- 1	3·8	- 1·8	21	*	*	*	*	*	*	Stornoway.
a Castlebay, Barra Isd.	*37*	*62*	*6th*	*51*	*9th*	*59·3*	*53·0*	*55·9*	+ *2·3*	*4*	*0·13*	*3*	—	*6·0*	—	*34*							*Castlebay.*
a Wick	81	64	4th	48	5, 9	59·0	49·7	54·0	+ 0·5	4	0·36	9	- 5	*	*	*	*	*	*	*	*	*	
b, Main- *p* Strathpeffer	200	69	5th	49	6th	64·7	51·7	57·8	+ 2·5	3	0·36	9	- 5	3·4	-1·4	19	*	*	*	*	*	*	Strathpeffer.
land. *p* Glencarron	500	64	4, 7	47	9th	59·0	50·3	54·4	+ 0·9	5	0·31	8	- 20	*	*	*	*	*	*	*	*	*	
p Fort Augustus	68	68	4th	49	5th	64·3	52·4	57·9	+ 2·7	2	0·02	1	- 14	2·9	-1·1	17	*	*	*	*	*	*	Fort Augustus.
p Fort William	171	70	4th	51	9th	65·0	53·0	58·6	+ 2·7	6	0·37	9	- 16	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																							
p Gordon Castle	101	67	4th	49	9th	63·0	51·4	56·8	+ 0·5	5	0·69	18	+ 3	1·9	—	11	0	38	57·4	+0·4	52·9	+0·1	Crathes.
a Nairn	82	70	5th	49	6, 9	61·6	51·6	57·7	+ 2·2	4	0·16	4	- 9	3·8	—	22	*	*	*	*	*	*	*Gordon Castle.*
a Aberdeen	46	68	6th	48	6th	63·3	51·9	57·2	+ 2·0	4	1·65	42	+ 28	3·3	- 2·4	19	*	*	*	*	52·6	+1·0	Nairn.
a Balmoral	930	70	4th	40	6th	65·3	45·4	54·7	+ 1·0	2	0·62	16	+ 2	*	*	*	0	37	*	*	*	*	Aberdeen.
p Crieff	432	70	4th	48	9th	66·4	50·9	58·1	+ 1·0	1	0·12	3	- 14	6·4	—	37	*	*	*	*	*	*	Balmoral.
a Leith	18	69	5th	52	6th	64·9	54·3	59·2	+ 2·0	3	0·80	20	+ 7	*	*	*	*	*	*	*	*	*	Balruddery.
a West Linton	769	68	4, 5	44	6th	63·4	48·4	55·4	+ 1·8	3	2·10	53	—	*5·3*	—	*31*	0	39	*	*	*	*	
p Marchmont	498	71	6th	47	6th	65·3	49·4	56·8	+ 1·3	3	1·45	37	+ 21	5·3	- 0·6	31	0	41	*	*	*	*	*West Linton.*
a Edinburgh	*441*	*68*	*5th*	*51*	*6, 9, 10*	*64·4*	*52·0*	*57·8*	—	*5*	*1·01*	*26*	—	4·9	—	29	0	42	*	*	*	*	Marchmont.
																							Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	65	4, 6, 7	49	9th	62·7	52·3	57·1	- 0·1	6	0·29	7	- 14	*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	180	70	4th	50	9th	64·0	53·1	58·2	+ 1·7	4	0·33	8	- 9	4·4	- 0·7	26	0	44	*	*	*	*	Glasgow.
p Rothesay‡	170	67	5th	51	5, 6	63·0	52·0	57·1	- 0·3	4	0·46	12	- 9	*5·4*	—	*32*	0	44	60·6	*	55·6	+1·6	*Rothesay.*
a Kilmarnock	90	68	4th	47	9th	64·3	51·1	57·2	0·0	5	0·64	16	—	*5·5*	—	*32*	*	*	*	*	*	*	*Kilmarnock.*
a Colmonell	170	70	4th	48	5, 6	64·9	51·0	57·5	+ 0·7	5	1·00	25	+ 8	*	*	*	0	43	*	*	*	*	
a Dumfries	160	70	4th	49	5, 9	65·3	51·7	58·0	0·0	2	0·61	15	- 2	*5·9*	—	*35*	0	43	60·6	*	57·9	*	*Dumfries.*
Eskdalemuir	*799*	*68*	*4, 6*	*44*	*6th*	*63·6*	*48·1*	*55·3*	—	*4*	*0·91*	*23*	—	*5·6*	—	*33*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse	120	69	4, 6, 8	40	9th	65·7	48·6	56·6	- 0·5	4	0·75	19	0	*	*	*	*	*	*	*	*	*	
b, I. OF MAN. *p* Douglas	277													*	*	*	*	*	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	70	4th	49	8th	64·9	52·3	58·2	+ 2·2	6	1·16	29	+ 15	5·0	—	29	0	41	59·1	+2·1	55·6	+2·2	Cockle Park.
a Tynemouth	71	71	5th	51	6th	64·1	53·1	58·2	+ 1·9	4	0·87	22	+ 9	*	*	*	*	*	*	*	*	*	*Tynemouth.*
p Durham	336	70	5th	47	6th	65·6	50·7	57·6	+ 0·4	4	0·74	19	+ 5	4·9	- 0·7	29	0	40	*	*	*	*	Durham.
a, North .. *p* Rounton	249	72	6th	46	6th	65·9	50·6	57·7	+ 0·8	6	0·68	17	+ 4	*	*	*	0	40	59·3	*	*	*	Rounton.
a West Witton	*605*	*70*	*5th*	*47*	*6th*	*64·7*	*50·6*	*57·2*	—	*4*	*2·37*	*60*	—	*	*	*	0	40	58·2	*	52·9	*	*West Witton.*
p Scarborough	100	67	5, 6	51	10th	62·9	52·9	57·6	+ 0·2	3	1·67	42	+ 30	4·8	—	28	*	*	*	*	56·2†	*	Scarborough.
p York	56	73	5th	49	6th	68·7	53·4	60·5	+ 1·6	4	1·66	42	+ 29	4·8	- 1·0	29	*	*	59·7	+2·1	55·8	+1·6	York.
a Spurn Head	26	71	5th	52	9, 10	63·3	53·7	58·2	+ 0·3	3	2·17	55	+ 46	*3·2*	—	*19*	*	*	*	*	*	*	*Spurn Head.*
b, South .. *a* Lincoln	58	74	6th	47	10th	66·9	52·4	59·2	- 0·5	4	2·52	64	+ 52	*	*	*	*	*	61·1	+2·4	57·4	+2·8	Lincoln.
a Fulbeck	180	73	5th	46	10th	65·3	51·3	57·8	- 1·6	4	2·41	61	+ 49	5·5	—	33	0	45	62·5	+0·9	56·9	+1·1	Rauceby.
														5·5	—	33	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
p Cromer	196	81	4th	52	9, 10	68·3	54·4	60·9	+ 2·4	4	0·55	14	—	5·0	—	30	*	*	*	*	*	*	Cromer.
p Little Massingham	280	74	5th	46	10th	68·4	52·4	59·8	+ 0·6	4	1·01	26	+ 12	4·8	- 1·7	29	0	44	*	*	*	*	Lit. Massingham
a, North .. *a* Yarmouth	17													*	*	*	*	*	*	*	*	*	Yarmouth.
a Norwich	93	82	4th	50	10th	71·9	55·1	62·9	+ 3·8	3	0·55	14	—	*7·0*	—	*43*	0	45	64·3	*	*	*	*Norwich.*
a Geldeston	37	76	4th	48	10th	70·6	55·0	62·3	+ 3·5	5	1·15	29	+ 17	6·7	- 0·2	41	*	*	*	*	*	*	Geldeston.
p Cambridge	41	79	4th	46	10th	70·6	53·6	61·5	+ 1·3	3	1·25	*32*	+ *19*	6·4	- 0·3	39	0	48	65·2	+4·4	59·3	+2·0	Cambridge.
a Clacton-on-Sea	54	75	5th	48	10th	68·9	55·7	61·8	+ 2·2	4	0·83	21	—	7·2	—	44	0	43	62·6	+3·3	58·3	0·0	Clacton.
b, South .. *a* Rothamsted	424	78	4th	47	10th	68·9	53·6	60·7	+ 1·9	3	0·97	*25*	+ *12*	6·6	- 0·1	41	0	42	62·7	*	*	*	Rothamsted.
p Tottenham	51	81	4th	52	10th	71·3	57·3	63·8	+ 3·0	4	1·20	30	—	6·2	—	38	0	47	*	*	60·8	+2·6	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	69	5, 6	47	6th	63·9	51·0	57·0	+ 0·2	4	1·37	35	+ 21	5·5	—	33	0	40	57·5	+2·3	55·3	+1·9	Harrogate.
p Buxton	*987*	*69*	*8th*	*42*	*6th*	*61·3*	*49·3*	*54·9*	- *1·5*	*6*	*1·88*	*48*	+ *28*	3·7	—	22	0	32	57·9	+0·1	55·4	+3·5	*Buxton.*
														4·4	—	26	0	41	57·7	+0·7	53·2	+0·5	Sheffield.
a Bawtry	65	73	6th	45	6th	66·6	50·7	58·1	- 1·0	4	1·53	39	+ 27	3·0	- 2·5	18	0	40	59·4	*	56·0	*	Worksop.
a Nottingham	82	74	6th	47	9, 10	66·0	52·1	58·6	- 0·6	3	3·03	77	+ 64	4·1	—	25	0	43	61·6	+2·8	56·8	+1·4	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	71	6th	48	9th	65·4	51·7	58·1	- 0·4	4	2·27	58	+ 45	4·7	—	29	0	41	56·1	+2·0	52·2	+1·3	Birmingham.
a Raunds	203	75	5th	44	9th	69·7	50·9	59·7	- 0·4	3	0·99	25	—	*5·4*	—	*33*	0	39	62·5	*	56·0	*	*Raunds.*
p Oxford	208	74	4-6	50	10th	69·6	51·6	61·6	+ 1·6	4	1·89	48	+ 34	5·9	- 0·6	36	0	44	*	*	*	*	Oxford.
a Cheadle	646	69	6th	46	9th	65·1	51·1	57·6	+ 0·7	4	1·26	32	+ 17	*	*	*	0	45	*	*	*	*	Cheadle.
p Shrewsbury	191	72	5, 6	45	9th	65·6	50·0	57·3	- 1·2	3	0·96	24	—	*	*	*	0	40	*	*	*	*	Shrewsbury.
c, West .. *a* Hereford§	291	72	5th	47	6th	68·0	50·6	58·7	- 0·7	3	1·18	30	+ 17	*6·3*	—	*38*	0	43	63·1	*	59·9	*	*Malvern.§*
a Cirencester	446	71	5th	47	10th	67·9	51·1	58·9	+ 0·7	4	1·99	51	+ 37	5·4	- 1·0	33	0	44	61·1	*	57·2	*	Cirencester.
a Bath	66	74	4th	51	9, 10	69·0	54·4	61·2	+ 1·6	4	0·79	20	+ 6	6·1	—	37	*	*	61·0	+2·3	59·5	+1·5	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	76	4th	44	10th	68·4	51·7	59·5	+ 0·7	3	0·91	23	+ 8	7·4	—	46	0	47	64·8	+2·2	59·2	+1·4	Worthing.
a Margate	53	80	4th	53	9th	70·3	56·9	63·1	+ 2·4	1	0·07	2	- 9	5·1	- 1·0	31	0	37	62·7	*	56·9	*	Marlborough.
a Wisley, Surrey	150	81	4th	49	10th	71·0	54·6	62·2	+ 0·9	3	0·83	21	—	6·1	- 0·1	37	0	51	65·7	+6·0	60·5	+3·9	Margate.
p Salisbury (Wilton)	180	81	4th	45	10th	70·6	52·3	60·8	+ 0·1	4	0·98	25	+ 12	5·9	—	36	0	42	64·6	+4·0	58·5	+1·2	Wisley.
a Tunbridge Wells	354	81	4th	47	10th	70·4	54·4	61·8	+ 2·5	3	0·49	12	- 1	*	*	*	0	44	65·3	*	*	*	Salisbury.
														5·7	- 1·1	35	0	39	63·4	+1·4	59·0	*	Tunbridge Wells.
a Dungeness	21	73	4th	51	10th	66·6	55·6	60·4	+ 1·1	3	0·21	6	- 4	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings	178	77	4th	52	8, 10	66·1	56·3	60·3	+ 0·8	3	0·55	14	+ 2	6·5	- 0·4	40	0	48	64·3	*	59·2	*	Hastings.
p Southampton	64	79	4th	49	10th	70·7	55·4	62·5	+ 1·1	3	0·71	18	+ 5	6·6	- 0·5	41	0	43	*	*	*	*	Southampton.
a Ventnor	59	74	4th	52	10th	66·9	56·3	61·2	+ 0·4	3	0·54	14	+ 2	7·1	+ 0·4	44	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	85	4th	52	10th	72·0	53·8	63·9	+ 3·4	3	1·39	35	+ 22	6·1	- 0·5	37	0	43	63·3	+3·2	57·2	+1·1	Kew.
a Westminster	*27*	*83*	*4th*	*50*	*10th*	*72·6*	*57·0*	*64·3*	+ *3·2*	*3*	*0·94*	*24*	+ *11*	*6·1*	+ *0·3*	*37*	0	45	*	*	*	*	*Westminster.*
a Greenwich	*155*	*87*	*4th*	*51*	*10th*	*74·9*	*55·7*	*64·6*	+ *2·6*	*3*	*0·55*	*14*	+ *1*	*6·4*	- *0·8*	*39*	0	41	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*83*	*4th*	*47*	*10th*	*71·0*	*53·9*	*61·9*	—	*3*	*1·37*	*35*	—	*5·8*	—	*36*	0	34	*	*	*	*	*Hampstead.*
a Camden Square	*110*	*86*	*4th*	*49*	*10th*	*74·7*	*56·3*	*64·9*	—	*3*	*1·03*	*26*	—	*5·7*	—	*35*	0	47	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	69	4th	48	9th	64·7	50·9	57·3	+ 1·2	4	0·96	25	+ 7	5·4	—	32	*	*	*	*	*	*	Hoylake.
p Newton Rigg	559	69	6th	46	5, 6	65·3	49·1	56·6	+ 0·6	3	1·09	28	+ 13	5·3	—	31	0	38	59·2	*	53·8	*	Aspatria.
p Stonyhurst	375	69	6th	48	6th	62·7	51·1	56·5	- 1·7	5	0·93	24	+ 4	4·9	- 1·4	29	0	37	59·5	+1·0	54·6	+1·0	Newton Rigg.
p Blackpool	66	68	6th	47	5th	63·7	52·1	57·5	- 0·5	2	1·05	27	+ 13	4·0	- 2·2	24	1	30	*	*	*	*	Stonyhurst.
a Southport	*37*	*71*	*6th*	*49*	*6th*	*63·0*	*53·1*	*57·7*	- *0·3*	*3*	*0·97*	*25*	+ *11*	6·3	0·0	38	0	43	61·4	*	55·6	*	Blackpool.
a Liverpool (Bidston)	188	71	6th	51	6th	62·9	52·9	57·6	- 1·6	*5·3*	—	*32*	*	*	*	*	*	*	*	*	*	*	*Southport.*
a Hawarden Bridge	*22*	*71*	*6th*	*45*	*4th*	*64·4*	*51·1*	*57·3*	- *1·7*	*3*	*0·79*	*20*	+ *6*	*5·3*	—	*32*	*	*	*	*	*	*	*Liverpool.*
p Manchester (Whit. Pk.)	125	72	6th	48	6th	64·1	53·4	58·4	- 0·7	4	1·17	30	+ 16	*3·0*	—	*18*	0	42	61·2	+2·9	59·3	+3·6	*Manchester (City)*
														2·9	- *2·2*	*17*	*	*	*	*	*	*	*" (Whit. Park)*
b, NORTH WALES.																							
p Llandudno	71	70	4th	52	6th	64·9	53·7	58·9	+ 0·3	2	1·44	37	+ 25	5·6	- 0·8	34	*	*	*	*	*	*	Llandudno.
a Holyhead	15	66	4-6	52	5, 9	63·4	53·4	58·1	+ 0·9	3	0·43	11	- 3	*6·6*	—	*40*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*70*	*4, 6*	*47*	*5th*	*65·4*	*50·4*	*57·4*	- *1·5*	*6*	*1·10*	*28*	—	*3·5*	—	*21*	*	*	57·0	+0·8	53·4	+0·6	*Bettws-y-Coed.*
														5·1	—	31	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean.	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Difference from average.	Earth 4 ft. Mean.	Difference from average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.														5·3	—	32	*	*	*	*	*	*	
a Llangammarch Wells	550	69	6th	40	6th	63·6	48·2	55·4	− 1·7	5	2·48	63	—	5·3	—	33	0	33	56·8	+0·7	53·0	+0·4	Aberystwyth.
a Pembroke	149	68	4th	52	5, 9	61·4	53·4	57·1	− 0·1	2	0·51	13	0	6·0	− 1·2	37	*	*	*	*	*	*	Llangammarch.
p Cardiff	202	71	6th	49	6th	67·0	52·6	59·3	− 0·6	3	1·27	32	+ 15	*6·7*	—	*41*	0	43	61·8	+1·6	57·5	+0·7	Pembroke.
																							Cardiff.
b, ENGLAND, S.W.																							
a Clifton	229	73	6th	52	9, 10	68·1	54·3	60·7	+ 0·3	4	2·24	57	+ 42	*4·7*	—	*29*	0	50	*	*	*	*	*Clifton.*
a Shaftesbury	722	77	4th	46	10th	67·9	50·6	58·7	+ 0·3	2	0·70	18	+ 4	*	*	*	*	*	61·6	*	57·8	*	Shaftesbury.
a Arlington	613	71	4th	47	9, 10	64·9	51·3	57·6	+ 0·7	4	0·90	23	+ 2	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*66*	*4th*	*47*	*9th*	*63·1*	*53·7*	*57·6*	− *1·4*	*2*	*0·74*	*19*	+ *6*	6·1	− 0·9	38	0	45	62·0	*	57·2	*	Newquay.
a Cullompton	202	79	4th	45	9th	69·3	51·1	59·6	+ 0·4	3	1·38	35	+ 20	5·5	− 0·8	34	0	42	63·1	*	*	*	Cullompton.
a Portland Bill	19	66	4th	54	9th	62·7	55·7	59·0	+ 0·3	4	0·48	12	—	*7·9*	—	*49*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	73	4th	50	10th	66·7	54·1	60·0	+ 0·2	3	0·57	15	+ 1	5·4	− 1·4	34	0	43	62·6	−0·1	57·7	*	Plymouth.
a Falmouth	167	71	4th	51	9, 10	65·3	53·9	59·2	+ 0·2	2	0·67	17	+ 2	7·4	+ 0·1	46	0	47	64·0	*	59·7	*	Falmouth.
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	64	4th	50	9th	59·4	52·9	55·9	+ 0·4	7	0·52	13	− 2	*4·4*	—	*26*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	63	4th	50	8, 9	60·9	51·9	56·1	− 0·5	5	0·35	9	− 7	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	68	4th	43	5th	63·7	50·0	56·4	+ 0·6	6	0·71	18	0	4·2	− 1·6	25	0	39	60·3	*	55·3	*	Markree Castle.
a Birr Castle	175	68	4th	47	6, 9	62·7	49·9	55·9	− 1·7	3	1·06	27	+ 12	*3·1*	− *1·9*	*19*	*	*	*	*	*	*	*Birr Castle.*
b, East .. *p* Armagh	196	69	4, 5	46	9th	64·4	50·4	56·9	+ 0·2	6	1·17	30	+ 14	2·8	− 2·4	17	0	39	60·0	+0·8	56·1	+0·8	Armagh.
a Donaghadee	101	68	5th	49	9th	61·6	52·0	56·5	0·0	3	0·47	12	− 3	*	*	*	*	*	*	*	*	*	*
10. IRELAND, S.																							
														5·0	− 1·1	30	0	46	*	*	*	*	Trinity Coll.
a, East .. *p* Dublin, City	47	66	4th	50	9th	63·6	52·9	57·9	− 1·8	4	0·99	25	+ 12	*	*	*	0	46	*	*	*	*	Phœnix Park.
a Kilkenny	212	69	4th	48	9th	63·7	49·7	56·2	− 2·7	5	1·62	41	+ 26	*	*	*	*	*	*	*	*	*	Dublin City.
a Waterford	30	69	4th	51	4, 9	64·3	52·0	57·7	− 1·0	3	0·94	24	+ 6	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*68*	*4, 5*	*48*	*9, 10*	*62·0*	*49·1*	*55·1*	—	*5*	*1·47*	*37*	—	*3·5*	—	*21*	0	43	*	*	*	*	*Seskin.*
b, West .. *a* Birr Castle	175	68	4th	47	6, 9	62·7	49·9	55·9	− 1·7	3	1·06	27	+ 12	3·1	− 1·9	19	*	*	*	*	*	*	Birr Castle.
a Foynes	50	67	4th	51	6-8	62·3	52·1	56·8	− 1·3	6	1·24	32	+ 17	*	*	*	*	*	*	*	*	*	*
a Cahir	198	70	4th	48	4, 7	66·4	50·3	57·8	− 0·6	5	1·71	43	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	69	4th	48	9th	64·1	52·1	57·7	0·0	7	0·97	25	+ 7	*	*	*	*	*	*	*	*	*	*
a Valencia	30	65	4th	49	9th	62·0	53·3	57·4	− 0·2	5	1·46	37	+ 16	5·2	− 0·4	32	*	*	*	*	*	*	Valencia.
a Roche's Point	32	67	4th	51	4, 9	63·0	52·4	57·3	− 0·8	6	1·99	51	+ 35	4·9	—	30	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	4, 5	53	10th	63·4	54·9	58·9	− 0·8	2	0·99	25	+ 13	8·7	+ 1·0	54	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	81	4th	52	10th	67·9	56·3	61·7	+ 1·0	1	0·04	1	− 12	10·3	+ 2·3	64	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	81	4th	52	10th	67·1	54·9	60·6	+ 0·4	2	0·22	6	− 6	10·1	+ 1·9	63	0	45	64·5	+2·8	60·1	+1·4	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, July 10th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.			m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	15**	—	—	—	—	—	57	16	95	S. by W. 5	4th 9h.	12 4th 8 . 35
Aberdeen*	105	37	—	—	—	—	44	74	50	0	NW. by N. 10	8th 11h.	19 8th. 10 . 55
		52											
Edinburgh	39	31	—	—	7th	4	74	64	26	0	N. 13	7th 14h.	21 7th 10 . 55
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	7th	7	65	58	38	0	NNE. 15	7th 17h.	21 7th 16 . 12
Paisley (Coats Obs.)	81	52	—	—	—	—	22	128	18	0	NW. 7	10th 13h.	15 9th 17 . 47
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	14	58	96	0	N. by W. 8	8th 4h.	16 8th 4 . 11
South Shields ..	61	12	—	—	—	—	17	110	41	0	WNW. 9	10th 16h.	15 8th 5 . 10
Spurn Head	40	‡	—	—	8th	1	59	76	32	0	NW. by W. 11	8th 6h.	15 8th. 9 . 13
3. ENGLAND, E.													
Gorleston	42	‡	—	—	7th	7	61	95	—	0	— 14	7th 12h.	21 7th 13 . 47
Shoeburyness ..	90	‡	7th	3	6, 7	16	42	97	10	0	SSW. 21	7th 14h.	27 7th 13 . 55
4. MIDLAND COUNTIES.													
Benson	81	‡	—	—	7th	1	33	104	30	0	WSW. 11	7th 16h.	18 7th 16 . 3
5. ENGLAND, S.E.													
Dover	40	‡	—	—	7th	4	43	45	53	23	— 14	7th 8h.	20 7th 8 . 30
Warlingham ..	33	‡	—	—	7th	2	26	123	2	15	— 13	7th 13h.	22 7th 12 . 50
Brighton	53	6	—	—	7th	5	44	42	3	74	— 12	7th 11h.	19 7th 12 . 29
Kew†	65	7	—	—	—	—	22	95	51	0	SW. by W. 8	7th 18h.	16 7th 17 . 35
		22											
South Kensington ..	92	30	—	—	—	—	4	85	79	0	SSW. 7	7th 18h.	15 7th 11 . 55
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	6	70	92	0	WNW. 7	9th 18h.	12 10th 8 . 15
Southport	62	48	7th	4	7 to 10	42	53	64	5	0	NW. by W. 19	7th 19h.	25 7th 18 . 42
Holyhead*	40	‡	—	—	7, 8, 10	16	65	53	34	0	NW. by N. 14	7th 15h.	17 7th 14 . 55
8. ENGLAND, S.W.													
Pendennis Castle* ..	65	24	7th	3	6, 7	18	43	66	22	16	SW. 19	7th 5h.	27 7th 4 . 23
Plymouth	88	2	7th	1	7th	16	99	32	20	0	— 22	7th 6h.	27 7th 6 . 38
10. IRELAND, S.													
Quilty	40	‡	—	—	6 to 8, 10	18	118	32	0	0	— 13	7th 22h.	17 6th 15 . 30
Weaver Pt.	30	‡	—	—	6, 7	8	72	54	33	2	— 14	6th 17h.	21 6th 18 . 15
11. ENGLISH CHANNEL.													
Scilly*	32	‡	7th	2	6, 7	18	52	68	28	0	WNW. 20	7th 4h.	26 7th 3 . 21
	19												

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting. § Record defective.
** Above tops of trees.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTY-SEVENTH WEEK—July 4th to July 10th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	70	45	61·0	51·0	55·7	+ 1·2	96	+ 8	0	0	4	0	0·37	9	− 11	3·3	−1·1	19	1013
Eastern.																			
1. SCOTLAND, EAST ...	71	40	64·5	50·4	57·0	+ 0·7	105	+ 5	0	0	3	− 1	0·95	24	+ 8	4·3	−1·4	25	1012
2. ENGLAND, N.E.	74	46	65·3	52·3	58·3	− 0·3	114	− 2	0	0	4	+ 1	1·54	39	+ 27	5·1	−1·6	30	1012
3. ENGLAND, EAST ...	82	46	69·9	54·6	61·7	+ 1·2	138	+ 9	0	0	4	+ 1	0·94	24	+ 13	6·1	−1·3	37	1013
4. MIDLAND COUNTIES ...	75	44	67·0	51·7	58·8	− 1·1	118	− 8	0	0	4	+ 1	1·57	40	+ 28	4·9	−1·8	30	1014
5. ENGLAND, S.E.	85	44	69·2	54·9	61·6	+ 0·6	137	+ 4	0	0	3	+ 1	0·67	17	+ 7	6·3	−1·4	38	1015
Western.																			
6. SCOTLAND, WEST ...	70	40	64·3	51·4	57·4	+ 0·3	108	+ 3	0	0	4	0	0·58	15	− 5	4·4	−1·5	26	1013
7. ENGLAND, N.W.	72	46	64·0	52·1	57·6	− 1·1	109	− 8	0	0	3	0	0·98	25	+ 10	5·2	−1·2	31	1014
8. ENGLAND, S.W.	79	40	65·7	52·5	58·7	− 0·7	117	− 5	0	0	3	0	1·12	29	+ 16	5·9	−1·1	36	1016
9. IRELAND, NORTH ...	69	43	62·1	51·2	56·3	− 1·1	100	− 8	0	0	5	+ 1	0·71	18	+ 2	3·5	−1·3	21	1015
10. IRELAND, SOUTH ...	70	47	63·6	51·6	57·2	− 1·6	106	− 12	0	0	5	+ 1	1·33	34	+ 19	4·6	−0·9	28	1017
11. ENGLISH CHANNEL ...	81	52	66·1	55·4	60·4	− 0·2	129	− 2	0	0	2	− 1	0·42	11	0	9·7	+1·2	61	1017

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 6 Weeks, May 30th to July 10th, 1915.

0. SCOTLAND, NORTH ...	78	34	60·0	46·4	52·7	*	450	− 4	0	− 4	19	− 4	2·38	60	− 40	5·8	+0·7	33	1017
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·5	45·7	54·0	*	508	− 2	3	0	15	− 5	2·71	69	− 11	6·5	+0·5	37	1017
2. ENGLAND, N.E.	85	31	64·7	48·4	56·0	*	586	+ 23	0	0	12	− 5	2·71	70	+ 4	6·6	+0·3	39	1018
3. ENGLAND, EAST ...	90	31	67·1	50·2	58·1	*	674	+ 31	0	0	13	− 3	2·49	64	− 5	7·3	+0·3	45	1018
4. MIDLAND COUNTIES ...	87	31	67·9	47·7	57·1	*	634	− 4	0	− 1	12	− 5	3·06	78	+ 5	6·6	+0·3	40	1017
5. ENGLAND, S.E.	88	29	66·9	50·3	58·1	*	675	− 4	0	0	10	− 5	1·56	40	− 26	7·1	0·0	43	1018
Western.																			
6. SCOTLAND, WEST ...	76	30	64·4	47·9	55·6	*	571	+ 13	0	− 1	17	− 3	3·04	77	− 28	6·6	+0·3	39	1018
7. ENGLAND, N.W.	77	32	64·7	49·0	56·3	*	600	− 3	0	0	14	− 5	3·00	78	− 3	6·9	+0·3	41	1017
8. ENGLAND, S.W.	79	28	64·8	49·6	56·7	*	617	− 20	0	0	15	− 3	3·11	79	0	6·3	−0·6	39	1018
9. IRELAND, NORTH ...	75	34	62·5	48·8	55·2	*	556	− 5	0	0	22	0	3·43	87	− 5	6·1	+0·5	36	1017
10. IRELAND, SOUTH ...	78	34	64·6	50·4	57·0	*	627	+ 4	0	0	21	+ 1	4·01	102	+ 13	5·6	−0·5	34	1017
11. ENGLISH CHANNEL ...	81	43	64·2	53·1	58·2	*	681	+ 7	0	0	12	− 7	1·61	41	− 24	6·9	−1·3	44	1017

THE YEAR.—Aggregates, &c., for the Period of 27 Weeks, January 3rd to July 10th, 1915.

0. SCOTLAND, NORTH ..	80	12	49·7	37·8	43·6	*	812	− 30	503	− 54	117	− 6	22·80	578	− 37	3·7	+0·2	29	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	51·0	36·6	43·5	*	913	− 61	630	+ 10	97	− 3	13·54	344	− 9	4·3	+0·2	33	1011
2. ENGLAND, N.E.	85	20	52·2	39·3	45·5	*	1079	+ 37	403	− 72	88	− 3	11·84	300	+ 28	4·5	+0·1	36	1012
3. ENGLAND, EAST ..	90	18	53·6	40·2	46·6	*	1265	+ 19	381	−140	92	+ 3	12·62	323	+ 55	4·7	+0·1	37	1013
4. MIDLAND COUNTIES ...	87	19	54·5	38·7	46·3	*	1260	− 9	451	− 82	82	− 6	13·61	346	+ 40	4·4	+0·2	35	1013
5. ENGLAND, S.E.	88	15	54·4	41·1	47·5	*	1360	+ 9	318	− 63	76	− 8	14·81	380	+ 83	4·7	0·0	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	52·4	39·0	45·4	*	1069	− 5	434	+ 9	99	− 7	18·96	481	− 61	4·7	+0·5	37	1012
7. ENGLAND, N.W.	77	21	52·6	40·2	46·2	*	1132	− 13	344	− 42	88	− 9	16·22	413	+ 34	4·8	+0·6	38	1013
8. ENGLAND, S.W.	78	17	53·7	41·6	47·3	*	1287	− 26	298	− 3	92	− 3	18·73	475	+ 49	4·5	−0·2	36	1014
9. IRELAND, NORTH ...	75	20	52·2	40·1	45·9	*	1100	− 44	352	+ 7	109	− 5	15·65	400	− 35	4·2	+0·2	33	1012
10. IRELAND, SOUTH ...	78	21	54·1	41·7	47·7	*	1244	− 11	284	+ 25	108	+ 5	18·37	471	+ 3	4·3	−0·1	34	1013
11. ENGLISH CHANNEL ...	81	27	54·3	44·6	49·2	*	1486	− 12	120	+ 11	94	− 9	14·74	371	+ 16	4·9	−0·7	39	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS M.A., Acting Superintendent of Statistics.
South Kensington, S.W., July 14th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 28. TWENTY-EIGHTH WEEK, SUNDAY, JULY 11TH TO SATURDAY, JULY 17TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks.

In the earlier half of the week the weather was mostly fair over England, but changeable and showery in Ireland and Scotland. Thunderstorms occurred locally in Scotland on the 13th and 14th; on the latter day a heavy fall of rain was experienced in the neighbourhood of the Moray Firth (as much as 41 mm. at Nairn, and 30 mm. at Gordon Castle). Later on unsettled weather prevailed generally. Thunderstorms occurred in several parts of Great Britain on the 15th, and heavy rain over nearly the whole of England and the neighbouring parts of Ireland on the 16th. At a large number of stations the fall on the latter day was over 30 mm., the largest amounts reported being 72 mm. at Dublin (Trinity College), 65 mm. at Nottingham, 45 mm. at Birmingham and 40 mm. at Falmouth. Owing mainly to these heavy downpours the total rainfall for the week was in excess of the normal in all districts excepting Scotland North and West and Ireland South. In the Midland Counties and England East and South-East it amounted to nearly three times as much. The mean temperature of the week was below the average. Over the country generally the thermometer did not once reach 70° but in Ireland South (at Cahir) on the 16th it just touched that level, while in the Midland Counties a reading of 70° was recorded at Cirencester on the 12th and 14th, and a reading of 71° at Raunds on the 13th. Bright sunshine was deficient in all districts except Scotland North and Ireland South, largely so in England East and South-East.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Very deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient
	Rainfall ...	Light	Heavy	Heavy	Very heavy	Very heavy	Very heavy	Moderate	Moderate	Very heavy	Heavy	Moderate	Very heavy
	Sunshine ...	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Scanty

THE SEASON.

SUMMER. 7 weeks from May 30th, 1915.	Warmth ...	2, 2, 3	1, 3, 3	2, 2, 3	2, 2, 3	1, 4, 2	1, 2, 4	2, 3, 2	1, 4, 2	1, 3, 3	1, 5, 1	2, 3, 2	1, 4, 2
	Rainfall ...	0, 3, 4	2, 3, 2	3, 1, 3	3, 1, 3	3, 1, 3	3, 1, 3	1, 4, 2	2, 2, 3	4, 0, 3	3, 2, 2	2, 3, 2	2, 2, 3
	Sunshine ...	2, 3, 2	2, 1, 4	2, 2, 3	4, 1, 2	3, 1, 3	1, 3, 3	1, 3, 3	2, 4, 1	2, 3, 2	1, 4, 2	1, 4, 2	1, 2, 4

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 3, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 2, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, July 17th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
SCOTLAND, N.	°	°	°	°	IRELAND, S.W.	°	°	°	°
Lerwick	51	51	51·0	-0·6	Cleggan	61	58	59·0	+1·6
Wick	49	48	48·8	-3·8	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	49	47	47·7	-5·3
Ballantrae	56	52	53·9	-1·1	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	61	57	59·9	+0·6
Scilly	60	58	58·7	—	ENGLAND, S.E.				
Plymouth‡	58	57	57·6	-1·4	Eastbourne‡	61	60	60·7	-0·6
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	61	56	58·2	+0·1	Port Erin	58	54	55·2	+0·6

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch. 1000 mb. = 29·531 mercury inches. 1 m/s. = 2·24 miles per hour.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.				No. of Rain-Days.						Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge		Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Ground Frosts.	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
	ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	31																						*Baltasound.*
a Lerwick	54	59	13th	41	13th	55·6	46·0	50·5	− 1·2	3	0·55	14	—	7·0	+ 2·4	40							Deerness.
a Stornoway	51	61	15, 16	43	13th	58·4	46·9	52·3	− 1·4	4	0·29	7	− 10	4·7	− 0·4	27							Stornoway.
a Castlebay, Barra Isd.	37	60	15th	48	13, 16	57·9	49·4	53·4	− 0·6	5	0·31	8	—	6·5	—	38							*Castlebay.*
a Wick	81	56	11, 13, 17	40	17th	55·0	45·7	50·0	− 4·1	4	0·25	6	− 8										
p Strathpeffer	200	69	16th	42	16th	62·0	46·7	53·8	− 1·9	4	0·73	19	+ 3	3·8	− 0·6	22							Strathpeffer.
p Glencarron	500	68	17th	43	14, 16	58·8	45·5	51·7	− 1·8	7	1·15	29	− 1										
p Fort Augustus	68	62	14, 17	45	13th	60·3	48·0	53·7	− 1·8	5	0·46	12	− 4	2·5	− 1·1	14							Fort Augustus.
p Fort William	171	64	15, 16	47	13, 15, 16	62·0	48·0	54·5	− 1·7	4	0·32	8	− 19										
1. SCOTLAND, E.																							
p Gordon Castle	101	65	13th	40	17th	60·3	45·3	52·3	− 4·2	5	1·59	40	+ 22	3·0	—	18	0	31	56·6	−1·3	53·5	−0·1	Crathes.
a Nairn	82	63	11, 14, 16	41	13, 17	61·0	45·6	52·8	− 3·4	6	2·48	63	+ 49	3·9	—	23							Nairn.
a Aberdeen	46	63	11th	42	13th	60·3	47·3	53·4	− 2·7	4	0·39	10	− 5	5·3	− 0·2	31					52·8	+0·5	Aberdeen.
a Balmoral	930	68	17th	39	17th	63·3	44·9	53·5	− 0·5	5	0·68	17	+ 2				0	36					Balmoral.
p Crieff	432	64	11th	44	13, 14	62·1	46·3	53·7	− 3·3	4	0·69	15	− 2	4·3		25							Balrudderry.
a Leith	18	66	16th	47	13, 16	62·6	49·3	55·5	− 2·4	5	0·45	11	− 3										
a West Linton	769	62	16th	40	14, 16	59·6	43·3	50·9	− 3·5	6	1·47	37	—	*3·9*	—	*23*	0	35					*West Linton.*
p Marchmont	498	65	13th	42	14, 16	61·7	45·4	53·0	− 3·2	4	0·92	23	+ 5	5·7	0·0	34	0	38					Marchmont.
a Edinburgh	*441*	*64*	*11, 12*	*46*	*13th*	*61·1*	*48·1*	*54·2*	—	*5*	*0·61*	*15*	—	4·8	—	28	0	43					Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	63	17th	44	13, 16	60·6	47·9	53·8	− 3·6	4	0·91	23	+ 1										
p Glasgow Observatory	180	65	17th	47	13th	61·7	49·1	55·0	− 2·2	6	0·79	20	+ 2	4·6	− 0·3	27	0	37					Glasgow.
p Rothesay‡	170	65	17th	45	13th	60·3	47·9	53·7	− 3·7	6	0·85	22	0	*5·1*	—	*30*	0	40	58·6		56·0	+1·3	*Rothesay.*
a Kilmarnock	90	65	17th	42	13th	62·7	47·1	54·4	− 3·1	4	0·67	17	—	*7·5*	—	*44*							*Kilmarnock.*
a Colmonell	170	65	17th	43	16th	61·9	48·1	54·5	− 2·6	5	0·69	18	0				0	39					
a Dumfries	160	63	11, 17	45	13, 15, 16	61·3	48·1	54·2	− 4·3	3	0·48	12	− 6	*4·0*	—	*24*	0	35	58·7		57·8		*Dumfries.*
Eskdalemuir	*799*	*61*	*11, 12*	*35*	*13th*	*58·9*	*42·4*	*50·7*	—	*5*	*0·71*	*18*	—	*4·1*	—	*24*							*Eskdalemuir.*
p Cally, Gatehouse	120	68	12th	41	13, 16	63·0	46·0	53·9	− 3·5	5	1·13	29	+ 9										
b, I. OF MAN. *p* Douglas	277																						Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	65	11th	41	16th	61·9	48·1	54·5	− 2·5	5	0·27	7	− 8	5·2	—	31	0	31	56·0	−2·1	55·0	+0·8	Cockle Park.
a Tynemouth	71	66	11th	47	13th	60·9	50·0	55·1	− 2·1	4	0·28	7	− 6										*Tynemouth.*
p Durham	336	65	12th	42	14, 16	62·1	47·3	54·2	− 4·1	5	1·09	28	+ 12	5·3	− 0·2	32	0	35					Durham.
a, North *p* Rounton	249	66	14th	42	16th	63·1	45·7	53·8	− 3·5	6	2·38	60	+ 46				0	34	57·6				Rounton.
a West Witton	*605*	*65*	*11, 12*	*44*	*14th*	*63·3*	*47·3*	*54·7*	—	*5*	*1·07*	*27*	—				0	38	57·4		53·3		*West Witton.*
p Scarborough	100	67	11th	48	14-16	62·7	50·0	55·9	− 2·6	6	2·64	67	+ 54	4·6	—	28					57·0†		Scarborough.
p York	56	64	13, 15	46	13th	62·7	50·4	56·1	− 3·5	4	1·14	29	+ 15	3·5	− 2·3	21			59·1	+0·7	56·3	+1·6	York.
b, South *a* Spurn Head	26	68	14th	50	13, 14, 16	64·4	51·7	57·6	− 1·3	4	0·98	25	+ 16	*4·6*	—	*28*							*Spurn Head.*
a Lincoln	58	68	14th	46	14th	63·9	50·1	56·5	− 4·0	4	0·93	24	+ 11						58·9	−0·6	57·6	+2·5	Lincoln.
a Fulbeck	180	68	14th	46	15th	64·0	49·4	56·2	− 4·0	7	1·02	26	+ 13	5·2	—	32	0	41	61·1	−2·2	57·0	+0·5	Rauceby.
														5·7	—	35							Skegness.
3. ENGLAND, E.																							
p Cromer	196	63	14th	49	15, 16	64·1	51·6	57·4	− 2·1	6	1·71	43	—	4·3	—	26							Cromer.
p Little Massingham	280	69	14th	43	11th	64·1	48·7	55·9	− 4·0	6	1·28	32	+ 17	4·4	− 2·1	27	0	43					Lit. Massingham
a, North *a* Yarmouth	17																						Yarmouth.
a Norwich	93	69	14th	47	13th	65·8	52·1	58·5	− 1·4	6	1·69	43	—	5·2	—	32	0	40	62·2				*Norwich.*
a Geldeston	37	69	14th	46	13th	65·7	52·0	58·4	− 1·3	6	1·91	48	+ 36	4·7	− 2·2	29							Geldeston.
p Cambridge	41	63	13, 14	41	13th	65·1	50·3	57·2	− 4·0	3	0·92	23	+ 10	4·1	− 2·7	25	0	38	63·0	+1·2	59·6	+1·6	Cambridge.
b, South *a* Clacton-on-Sea	54	68	12th	48	13th	65·1	52·4	58·3	− 2·4	3	0·91	23	—	4·3	—	27	0	43	60·5	+0·5	58·7	0·4	Clacton.
a Rothamsted	424	66	12, 13	41	13th	62·7	48·1	55·4	− 4·4	3	1·51	38	+ 24	5·0	− 1·8	31	0	39	60·4				Rothamsted.
p Tottenham	51	68	12, 15	50	13th	64·8	53·3	58·7	− 2·9	4	1·74	481	—	4·3	—	27	0	34	—	—	60·9	+1·8	Tottenham.
4. MIDLAND COUNTIES.																							
a North *a* Harrogate	479	62	15th	43	13th	60·4	47·4	53·5	− 3·9	5	1·47	37	+ 23	5·0	—	30	0	38	56·7	+0·6	55·7	+1·5	Harrogate.
p Buxton	*987*	*62*	*15th*	*44*	*14th*	*58·7*	*47·7*	*52·8*	− *4·0*	*6*	*2·07*	*53*	+ *33*	*3·8*	—	*23*	0	32	56·0	−2·8	55·1	+2·6	*Buxton.*
a Bawtry	65	65	14th	40	12th	63·7	45·0	53·7	− 6·1	3	1·37	35	+ 23	4·8	—	29	0	42	57·1	−0·7	53·7	+0·4	Sheffield.
a Nottingham	82	69	14th	46	14th	64·0	49·7	56·4	− 4·0	5	2·53	64	+ 51	3·2	− 2·2	20	0	38	57·5		53·0		Worksop.
b, East *p* Birmingham, Edgbsn.	535	66	13, 14	47	14th	62·6	49·6	55·7	− 3·7	5	2·09	53	+ 40	4·7	—	29	0	40	59·7	−0·2	57·0	+0·9	Nottingham.
a Raunds	203	71	13th	44	13th	66·7	48·7	57·1	− 3·6	4	1·02	26	—	5·4	—	33	0	39	54·8	−0·5	52·7	+1·3	Birmingham.
a Oxford	208	68	13th	47	15th	64·3	51·0	57·2	− 3·6	3	1·04	26	+ 12	*4·5*	—	*28*	0	37	62·1		56·6		*Raunds.*
														4·4	− 2·2	27	0	41					Oxford.
a Cheadle	646	68	14th	45	13, 14	63·4	48·9	55·7	− 2·0	4	2·23	57	+ 42				0	43					Cheadle.
p Shrewsbury	191			46	16th	—	49·1	—	—	2	1·56	40	—				0	43					Shrewsbury.
c, West *a* Hereford§	291	67	12, 13	44	13, 14	65·1	48·7	56·3	− 3·8	2	1·07	27	+ 14	*5·5*	—	*34*	0	38	61·1		60·0		*Malvern.*§
a Cirencester	446	70	12, 14	42	14th	66·0	47·2	56·0	− 3·1	3	0·83	21	+ 7	3·9	− 2·5	24	0	39	59·1		57·3		Cirencester.
a Bath	66	67	13, 17	46	13th	64·6	50·7	57·2	− 3·2	4	0·93	24	+ 10	5·7	—	35			61·4	−1·4	59·7	+0·7	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	67	13th	40	14th	62·6	46·7	54·1	− 5·2	3	1·46	37	+ 23	4·2	—	26	0	41	61·4	−2·1	59·5	+0·9	Worthing.
a Margate	53	68	14th	50	16th	65·4	53·6	59·1	− 2·1	3	0·85	22	+ 11	3·4	− 2·7	21	0	33	59·9		57·1		Marlborough.
a Wisley, Surrey	150	67	12, 13	46	13th	64·4	50·9	57·2	− 4·9	3	0·66	17	—	4·1	− 2·6	25	0	47	62·5	+1·8	60·8	+3·5	Margate.
p Salisbury (Wilton)	180	68	12, 13	43	13, 14	64·7	45·4	54·4	− 7·1	3	1·60	41	+ 28	4·0	—	25	0	37	61·1	−0·6	58·7	+0·7	Wisley.
a Tunbridge Wells	354	68	12th	45	13, 16	64·7	50·0	56·8	− 3·6	4	1·76	45	+ 32	*	*	*	0	40	62·0				Salisbury.
														3·9	− 2·9	24	0	34	60·3	−2·6	59·0		Tunbridge Wells.
a Dungeness	21	65	12th	48	13th	63·4	52·9	57·8	− 2·7	4	1·38	35	+ 25	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings	178	67	12th	48	14th	63·9	52·1	57·6	− 2·8	4	1·54	39	+ 27	4·9	− 2·9	31	0	43	62·3		59·8		Hastings.
p Southampton	64	69	12, 15	48	13th	65·6	52·9	58·8	− 3·4	4	1·54	39	+ 26	4·2	− 3·0	23	0	40	*	*	*	*	Southampton.
a Ventnor	59	67	17th	51	13, 14	64·0	54·4	59·9	− 2·5	4	1·06	27	+ 15	4·0	+ 2·9	25	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	69	13th	48	13th	65·1	52·5	58·4	− 2·9	3	1·17	30	+ 17	*4·0*	− *2·7*	25	0	36	60·4	−0·8	57·6	+1·0	Kew.
a Westminster	*27*	*69*	*15th*	*48*	*13th*	*65·4*	*53·0*	*58·8*	− *3·0*	*2*	*1·12*	*28*	+ *18*	*4·5*	− *1·3*	*28*	0	43	*	*	*	*	*Westminster.*
a Greenwich	*155*	*70*	*12, 14*	*45*	*13th*	*67·0*	*51·4*	*58·7*	− *4·0*	*3*	*0·89*	*23*	+ *10*	*4·6*	− *2·8*	*29*	0	33	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*68*	*15th*	*46*	*14th*	*63·3*	*49·9*	*56·1*	—	*3*	*1·82*	*47*	—	*4·3*	—	*27*	0	32	*	*	*	*	*Hampstead.*
a Camden Square	*110*	*71*	*12, 15*	*48*	*13th*	*67·3*	*51·9*	*59·1*	—	*4*	*1·43*	*36*	—	*3·4*	—	*21*	0	45	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	66	17th	46	13th	62·3	48·9	55·1	− 1·5	5	0·57	15	− 5	4·4	—	27	*	*	*	*	*	*	Hoylake.
p Newton Rigg	559	65	17th	42	14, 16	61·7	47·6	53·8	− 2·7	4	0·40	10	− 6	4·5	—	27	0	37	58·0	*	54·0	*	Aspatria.
p Stonyhurst	375	63	17th	47	15th	60·6	50·4	55·1	− 3·3	6	1·17	30	+ 9	5·2	− 0·8	31	0	33	58·8	−0·6	54·8	+0·4	Newton Rigg.
p Blackpool	66	64	14, 17	49	16th	62·7	52·6	57·3	− 1·4	3	0·33	10	− 5	4·3	− 1·7	26	1	39	*	*	*	*	Stonyhurst.
a Southport	*37*	*63*	*14, 17*	*50*	*16th*	*61·4*	*53·6*	*57·2*	− *1·4*	*1*	*0·38*	*9*	− *6*	7·4	+ 1·2	45	0	42	61·7	*	56·2	*	Blackpool.
a Liverpool (Bidston)	188	64	14th	51	13, 14, 16	62·1	52·3	57·9	− 3·0	2	0·55	14	− 1	*6·4*	− *0·1*	*39*	0	46	62·8	−0·4	59·7	+0·2	*Southport.*
a Hawarden Bridge	*22*	*65*	*13th*	*46*	*17th*	*63·3*	*52·0*	*57·3*	− *2·3*	*2*	*0·80*	*20*	+ *8*	*5·0*	—	*31*	*	*	*	*	*	*	*Liverpool.*
p Manchester (Whit. Pk.)	125	64	17th	49	16th	62·0	51·4	56·3	− 3·3	5	1·23	32	+ 18	*3·0*	− *2·1*	*18*	0	45	59·1	−0·3	59·4	+3·0	*Manchester (City)*
																	*	*	*	*	*	*	" (Whit. Park)
b, NORTH WALES.																							
p Llandudno	71	68	16th	50	16th	64·3	52·7	58·1	− 1·2	4	1·12	28	+ 15	5·3	− 0·9	32	*	*	*	*	*	*	Llandudno
a Holyhead	15	63	16th	51	13th	61·6	52·7	56·8	− 0·9	4	0·39	10	− 4	*4·9*	—	*30*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*65*	*12, 15*	*48*	*14th*	*63·6*	*50·0*	*56·3*	− *2·6*	*7*	*0·84*	*21*	—	*4·2*	—	*26*	*	*	55·6	−1·9	54·0	+0·6	*Bettws-y-Coed.*
														6·5	—	40	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														6·9	—	43	*	*	*	*	*	*	Aberystwyth.
a Llangammarch Wells	550	65	14th	43	13th	63·6	49·0	55·8	− 1·9	3	1·60	·41	—	6·7	—	42	0	36	57·7	+0·6	53·3	+0·6	Llangammarch.
a Pembroke	149	66	16th	52	16, 17	60·0	53·1	56·3	− 1·4	2	1·38	35	+ 21	6·2	− 0·7	39	*	*	*	*	*	*	Pembroke.
p Cardiff	202	66	17th	47	13th	62·9	51·1	56·6	− 3·9	4	1·76	45	+ 28	*6·6*	—	*41*	0	39	59·9	−0·6	58·0	+0·5	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	66	13, 17	51	15th	63·7	53·1	58·0	− 3·2	5	1·01	26	+ 10	*4·6*	—	*29*	0	51	*	*	*	*	*Clifton.*
a Shaftesbury	722	65	12, 13, 17	45	14, 15	61·9	47·1	54·0	− 5·3	3	0·98	24	+ 10	*	*	*	*	*	58·7	*	57·9	*	Shaftesbury.
a Arlington	613	64	12th	43	13th	61·3	49·3	51·9	− 2·6	6	1·95	50	+ 28	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*63*	*16th*	*51*	*16th*	*61·1*	*54·3*	*57·5*	− *2·0*	*4*	*1·74*	*44*	+ *31*	5·9	− 1·0	37	0	49	61·8	*	57·9	*	Newquay.
a Cullompton	202	67	12, 15	44	13th	64·7	48·9	56·3	− 3·5	4	1·20	31	+ 16	4·9	− 1·3	31	0	40	60·4	*	*	*	Cullompton.
a Portland Bill	19	64	17th	53	15th	60·6	54·8	57·4	− 2·1	3	1·34	34	—	*5·0*	—	*31*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	67	12th	47	13th	62·7	53·0	57·5	− 3·0	4	1·91	48	+ 33	4·2	− 2·6	26	0	38	59·7	−4·3	57·9	*	Plymouth.
a Falmouth	167	66	12th	50	13th	63·3	53·0	57·8	− 1·8	4	2·00	52	+ 36	6·2	− 1·1	39	0	45	62·8	*	60·4	*	Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	61	14th	49	14, 16	57 6	50·3	53·7	− 2·2	5	1·81	46	+ 31	*5·0*	—	*30*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	62	11th	48	14, 17	58·6	50·9	54·5	− 2·4	5	1·77	45	+ 28	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	62	15th	31	12th	60·1	46·0	52·6	− 3·8	6	0·95	24	+ 5	3·7	− 0·7	22	1	30	59·3	*	55·8	*	Markree Castle.
a Birr Castle	175	68	16th	45	15th	63·1	49·7	55·9	− 2·0	6	0·56	14	− 2	*4·7*	+ *0·1*	*29*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	64	11, 12, 15	47	13, 15	61·7	48·7	54·8	− 2·3	6	0·79	20	+ 3	3·3	− 1·6	20	0	44	58·9	−1·9	56·1	0·0	Armagh.
a Donaghadee	101	63	11th	46	13th	58·7	49·9	54·0	− 3·0	6	0·95	24	+ 8	*	*	*	*	*	*	*	*	*	*
														4·4	—	*27*	0	39	59·3	−1·4	56·8	+0·2	Trinity Coll.
10. IRELAND. S.														5·7	− 0·1	35	0	43	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	64	12th	48	15th	62·6	52·0	56·9	− 3·3	5	1·55	39	+ 25	*	*	*	0	44	*	*	*	*	Dublin City.
a Kilkenny	212	70	16th	42	14th	64·9	48·0	55·9	− 3·1	3	0·33	8	− 7	*	*	*	*	*	*	*	*	*	*
a Waterford	30	66	15, 16	43	14th	64·0	50·4	56·7	− 2·6	2	0·34	9	− 10	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*68*	*16th*	*43*	*15th*	*63·6*	*47·4*	*54·9*	—	*4*	*0·42*	*11*	—	*6·3*	—	*39*	0	37	*	*	*	*	*Seskin.*
b, West .. { *a* Birr Castle	175	68	16th	45	15th	63·1	49·7	55·9	− 2·0	6	0·56	14	− 2	4·7	+ 0·1	29	*	*	*	*	*	*	Birr Castle.
a Foynes	50	66	16th	44	14th	62·4	51·1	56·4	− 2·1	5	0·81	21	+ 5	*	*	*	*	*	*	*	*	*	*
a Cahir	199	70	16th	42	14th	65·1	48·7	56·3	− 2·6	5	0·54	14	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	70	16th	44	14th	64·3	51·4	57·4	− 0·7	6	0·55	14	− 5	*	*	*	*	*	*	*	*	*	*
a Valencia	30	64	16th	44	14th	61·7	52·6	56·8	− 1·1	6	1·01	26	+ 5	5·2	0·0	32	*	*	*	*	*	*	Valencia.
a Roche's Point ..	32	67	15th	47	14th	63·9	52·0	57·5	− 1·1	3	0·65	16	0	6·6	—	41	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	65	15th	52	13th	62·4	54·1	58·0	− 2·2	4	1·10	28	+ 15	5·9	− 1·5	37	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	65	12th	50	13th	62·4	54·3	58·1	− 3·4	5	1·46	37	+ 24	5·0	− 3·0	32	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	65	12th	52	13, 15	62·0	53·6	57·5	− 3·2	2	1·46	37	+ 25	5·3	− 2·9	33	0	41	62·0	−0·6	60·4	+1·1	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, July 17th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.					
			Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.		
	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.			
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s.	d.	h. m.
1. SCOTLAND, E.																
Dyce	75	‡15**	—	—	—	—	2	116	38	12	NNW.	6	12th 14h.	13	17th	14 . 48
Aberdeen*	105	{ 37 ‖ 52 ‖	—	—	—	—	13	114	41	0	WNW.	7	11th 7h	13	17th	16 . 35
Edinburgh	39	31	—	—	—	—	38	121	9	0	W. by S.	9	11th 2h.	13	11th	2 . 15
6. SCOTLAND, W.																
Eskdalemuir ..	50	22	—	—	—	—	62	68	38	0	NNE.	11	17th 7h.	17	17th	6 . 39
Paisley (Coats Obs.)	81	52	—	—	—	—	19	117	32	0	NW.	7	11th 8h.	14	11th	14 . 26
2. ENGLAND, N.E.																
Alnwick Castle ..	70	17	—	—	—	—	11	49	102	6	N.	9	17th 11h.	18	17th	11 . 5
South Shields ..	61	12	—	—	17th	2	40	70	56	0	NE. by N.	11	17th 8h.	17	17th	8 . 17
Spurn Head	40	‡	—	—	17th	6	65	78	19	0	N.	16	17th 14h.	21	17th	14 . 37
3. ENGLAND, E.																
Gorleston	42	‡	—	—	16, 17	12	46	110	0	0	—	15	16th 22h.	21	17th	18 . 32
Shoeburyness ..	90	‡	—	—	14, 16, 17	19	91	55	3	0	—	16	16th 23h.	23	17th	17 . 18
4. MIDLAND COUNTIES.																
Benson	84	‡	—	—	—	—	33	96	39	0	NW. by N.	10	17th 16h.	20	17th	13 . 27
5. ENGLAND, S.E.																
Dover	40	‡	—	—	14, 16, 17	13	61	67	20	7	—	15	17th 17h.	23	17th	16 . 23
Warlingham ..	33	‡	—	—	16th	1	32	119	16	0	—	11	16th 22h.	22	16th	21 . 45
Brighton	53	6	—	—	16, 17	5	68	68	0	27	—	14	17th 15h.	24	17th	15 . 21
Kew†	65	{ 6 ‖ 22 ‖	—	—	—	—	20	133	15	0	SSW.	8	16th 22h.	15	17th	8 . 46
South Kensington ..	92	30	—	—	—	—	14	111	43	0	W.	7	17th 11h.	13	17th	11 . 35
7. ENGLAND, N.W.																
Carnforth	56	23	—	—	—	—	17	81	70	0	N. by E.	8	17th 8h.	13	17th	13 . 12
Southport	62	48	—	—	11, 12, 15, 17	49	96	22	1	0	W.	15	11th 10h.	21	17th	10 . 12
Holyhead*	40	‡	—	—	11, 17	7	105	47	9	0	N. by E.	13	17th 7h.	18	17th	6 . 48
8. ENGLAND, S.W.																
Pendennis Castle§ ..	65	24	—	—	16th	12	78	68	6	4	NNW.	16	16th 13h.	22	16th	13 . 4
Plymouth	88	2	16th	3	16, 17	30	94	24	17	0	—	20	16th 18h.	26	16th	18 . 17
10. IRELAND, S.																
Quilty	40	‡	—	—	11, 12, 16, 17	29	128	9	2	0	—	16	16th 24h.	22	16th	24 . 10
Weaver Pt.	30	‡	—	—	17th	7	44	104	13	0	—	14	17th 6h.	22	17th	6 . 20
11. ENGLISH CHANNEL.																
Scilly*	{ 32 19	‡	—	—	17th	10	78	63	17	0	NW.	13	17th 6h.	18	17th	6 . 55

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTY-EIGHTH WEEK—July 11th to July 17th, 1915.

DISTRICTS, (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Accumulated Difference from Av. (25 Yrs.)	Accumulated Below 42°	Accumulated Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	69	40	58·9	46·7	52·4	− 2·3	73	− 16	0	0	4	0	0·53	14	− 6	4·5	+0·3	26	1005
Eastern.																			
1. SCOTLAND, EAST ...	68	39	61·4	45·9	53·1	− 3·4	78	− 24	0	0	5	+ 1	1·07	27	+ 9	4·5	−0·8	26	1004
2. ENGLAND, N.E.	68	41	62·9	49·2	55·5	− 3·3	95	− 23	0	0	5	+ 1	1·19	30	+ 18	4·9	−1·5	30	1005
3. ENGLAND, EAST ...	69	41	64·7	50 9	57·3	− 3·4	107	− 24	0	0	5	+ 2	1·42	36	+ 23	4·5	−2·6	27	1006
4. MIDLAND COUNTIES ...	71	40	64·1	48·7	55·9	− 4·2	97	− 30	0	0	4	+ 1	1·47	37	+ 24	4·6	−1·7	28	1005
5. ENGLAND, S.E.	69	43	64·4	51·1	57·3	− 4·2	107	− 29	0	0	4	+ 1	1·30	33	+ 21	4·1	−3·3	26	1007
Western.																			
6. SCOTLAND, WEST ...	68	41	61·6	47·7	54·2	− 3 0	85	− 21	0	0	5	+ 1	0·79	20	− 2	4·6	−1·1	27	1005
7. ENGLAND, N.W.	68	42	62·2	51·0	56·2	− 2·7	99	− 19	0	0	4	+ 1	0·73	19	+ 3	5·4	−0·8	32	1006
8. ENGLAND, S.W.	67	43	62·5	51·2	56·5	− 3·3	102	− 23	0	0	4	0	1·53	39	+ 23	5·9	−0·8	36	1008
9. IRELAND, NORTH ...	68	34	60·0	49·3	54·3	− 3·1	86	− 22	0	0	6	+ 1	1·14	29	+ 10	3·5	−1·1	21	1006
10. IRELAND, SOUTH ...	70	42	63·6	50·7	56·6	− 2·3	102	− 16	0	0	5	+ 2	0·70	18	0	5·6	+0·4	31	1009
11. ENGLISH CHANNEL ...	65	50	62·3	54·0	57·9	− 3·3	111	− 24	0	0	4	+ 1	1·33	34	+ 21	5·4	−2·7	34	1010

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 7 Weeks, May 30th to July 17th, 1915.

0. SCOTLAND, NORTH ...	78	34	59·8	46·4	52·7	*	523	− 20	0	− 4	23	− 4	2·91	74	− 46	5·6	+0·6	32	1015
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·2	45·7	53·9	*	586	− 26	3	0	20	− 4	3·78	96	− 2	6·2	+0·3	36	1015
2. ENGLAND, N.E.	85	31	64·4	48·5	55·9	*	681	0	0	0	17	− 4	3·90	100	+ 22	6·3	0·0	38	1016
3. ENGLAND, EAST ...	90	31	66·8	50·3	58·0	*	781	+ 7	0	0	18	− 1	3·91	100	+ 18	6·9	−0·1	42	1016
4. MIDLAND COUNTIES ...	87	31	67·4	47·8	56·9	*	731	− 34	0	− 1	16	− 4	4·53	115	+ 29	6·3	0·0	39	1016
5. ENGLAND, S.E.	88	29	66·5	50·4	57·9	*	782	− 33	0	0	14	− 4	2·86	73	− 5	6·6	−0·5	41	1016
Western.																			
6. SCOTLAND, WEST ...	76	30	64·0	47·9	55·4	*	656	− 8	0	− 1	22	− 2	3·83	97	− 30	6·3	+0·1	37	1016
7. ENGLAND, N.W.	77	32	64·3	49·3	56·3	*	690	− 22	0	0	18	− 4	3·73	97	0	6·7	+0·2	40	1015
8. ENGLAND, S.W.	79	28	64·4	49·8	56·7	*	719	− 43	0	0	19	− 3	4·64	118	+ 23	6·3	−0·6	39	1016
9. IRELAND, NORTH ...	75	34	62·2	48·9	55·1	*	642	− 27	0	0	23	+ 1	4·57	116	+ 5	5·7	+0·3	34	1015
10. IRELAND, SOUTH ...	78	34	64·4	50·4	56·9	*	729	− 12	0	0	26	+ 3	4·71	120	+ 13	5·6	−0·4	34	1016
11. ENGLISH CHANNEL ...	81	43	63·9	53·2	58·2	*	792	− 17	0	0	16	− 6	2·94	75	− 3	6·7	−1·5	42	1016

THE YEAR.—Aggregates, &c., for the Period of 28 Weeks, January 3rd to July 17th, 1915.

0. SCOTLAND, NORTH ...	80	12	50·0	38·2	43·9	*	885	− 46	503	− 54	121	− 6	23·33	592	− 43	3·8	+0·2	29	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	51·4	36·9	43·9	*	991	− 85	630	+ 10	102	− 2	14·61	371	0	4·3	+0·2	33	1011
2. ENGLAND, N.E.	85	20	52·6	39·6	45·8	*	1174	+ 14	403	− 72	93	− 2	13·03	330	+ 46	4·6	+0·2	35	1012
3. ENGLAND, EAST ...	90	18	54·0	40·6	47·0	*	1372	− 5	381	−140	97	+ 5	14·04	359	+ 78	4·7	0·0	37	1013
4. MIDLAND COUNTIES ...	87	19	54·8	39·0	46·6	*	1357	− 39	451	− 82	86	− 5	15·08	383	+ 64	4·4	+0·2	35	1013
5. ENGLAND, S.E.	88	15	54·7	41·4	47·8	*	1467	− 20	318	− 63	80	− 7	16·11	413	+104	4·7	−0·1	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	52·7	39·3	45·7	*	1154	− 26	434	+ 9	104	− 6	19·75	501	− 63	4·7	+0·5	36	1012
7. ENGLAND, N.W.	77	21	53·0	40·6	46·5	*	1231	− 32	344	− 42	92	− 8	16·95	432	+ 37	4·9	+0·6	38	1012
8. ENGLAND, S.W.	79	17	54·0	42·0	47·6	*	1389	− 49	298	− 3	96	− 3	20·26	514	+ 72	4·6	−0·1	36	1013
9. IRELAND, NORTH ...	75	20	52·5	40·4	46·2	*	1186	− 66	352	+ 7	115	− 4	16·79	429	− 25	4·2	+0·2	33	1011
10. IRELAND, SOUTH ...	78	21	54·4	42·0	48·0	*	1446	− 27	284	+ 25	113	+ 7	19·07	489	+ 3	4·4	0·0	34	1013
11. ENGLISH CHANNEL ...	81	27	54·6	44·9	49·6	*	1597	− 36	120	+ 11	98	− 8	16·07	405	+ 37	5·0	−0·6	39	1014

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., July 21st, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 29. TWENTY-NINTH WEEK, SUNDAY, JULY 18TH TO SATURDAY, JULY 24TH, 1915. *Price 6d. Annual Subscription Post Paid £1 10s. 0d.*

I.—Remarks.

The general condition of the weather was very unsettled. No day passed without rain over a considerable area, while as a rule it was experienced over the greater part of the Kingdom. Late in the week thunderstorms occurred in many places, especially over the eastern half of Great Britain. At Guernsey on the 22nd the rainfall amounted to 37 mm., and this was followed by 12 mm. on the 23rd. At Wilton, Salisbury, there was 26 mm. on the 22nd, and at Kew Observatory 24 mm.; at Shaftesbury on the 23rd 24 mm. fell. The aggregate fall exceeded the average except in England N.E. and N.W. and Ireland S., the excess being rather large. Temperature was below the average except in Scotland N. and England N.E., the greatest divergence being nearly 3° in England S.E. Readings as high as 70° were seldom recorded, and the highest maximum of the week was 73° at a few stations in central and north-eastern England on the 19th. The lowest of the minima were registered on the 18th; at Markree Castle the value was as low as 38°, while in several parts of England and Scotland the thermometer sank to below 45°.

Bright sunshine slightly exceeded the normal in Ireland and the English Channel, but was deficient elsewhere—at least an hour per day over the greater part of Britain. In the English Channel the mean daily duration was 8 hours, whence it decreased to 3·9 hours in Scotland East and to 3·3 hours in Scotland North.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate	Deficient
	Rainfall ...	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy
	Sunshine ...	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate

THE SEASON.

SUMMER. 8 weeks from May 30th, 1915.	Warmth ...	2, 3, 3	1, 4, 3	2, 3, 3	2, 2. 4	1, 4, 3	1, 2, 5	2, 3, 3	1, 5, 2	1, 3, 4	1, 6, 1	2, 4, 2	1, 4, 3
	Rainfall ...	1, 3, 4	3, 3, 2	3, 2, 3	4, 1, 3	4, 1, 3	4, 1, 3	2, 4, 2	2. 3, 3	5, 0, 3	3, 3, 2	2, 4, 2	3, 2, 3
	Sunshine ...	2, 4, 2	2, 1, 5	2, 2, 4	4, 2, 2	3, 1, 4	1, 4, 3	1, 3, 4	2, 4, 2	2, 4, 2	1, 5, 2	1, 5, 2	1, 3, 4

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8. 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4. 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6. 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4. 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, July 24th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	61	57	58·5	+1·0
Wick	50	49	49·7	-3·0	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	51	48	49·7	-4·0
Ballantrae	55	52	53·6	-1·7	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	61	59	60·4	+0·4
Scilly	59	57	58·2	—	ENGLAND, S.E.				
Plymouth‡	58	57	57·6	-2·2	Eastbourne‡	62	60	61·0	-1·2
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	60	56	57·7	-0·8	Port Erin	58	55	55·2	+0·1

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5626–29.) Wt. 160—610. 450. 7/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880. GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.				No. of Rain-Days.	Rainfall in the Week.			Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge				Difference from Average.				Ground Frosts.	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*																						*Baltasound.*
a Lerwick	54	61	21, 23, 24	48	18th	58·7	50·1	54·1	+ 1·7	4	0·67	17	—	3·9	- 0·6	22	•	•	•	•	•	•	Deerness.
a, Islands .. *a* Stornoway	51	63	18, 20	46	23rd	60·0	50·1	54·7	+ 0·4	7	0·83	21	+ 3	3·0	- 1·6	18	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*59*	*18, 23*	*50*	*24th*	*58·0*	*52·3*	*55·0*	+ *0·3*	*6*	*1·39*	*35*	—	*4·9*	—	*29*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	63	21st	45	18th	59·4	48·7	53·7	- 0·7	6	1·26	32	+ 17	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200													•	•	•	•	•	•	•	•	•	Strathpeffer.
b, Main- land. *p* Glencarron	500	68	18th	46	24th	60·9	49·5	54·8	+ 0·9	7	1·81	41	+ 9	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	68	19th	47	18th	63·7	50·7	56·8	+ 0·9	6	0·75	19	+ 2	3·1	- 0·1	18	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	67	19th	47	18th	63·3	50·4	56·4	+ 0·2	7	1·69	43	+ 14	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
p Gordon Castle	101	72	19th	48	18th	65·9	51·3	58·1	+ 1·4	7	1·19	30	+ 10	2·7	—	16	0	38	57·5	- 0·5	53·7	- 0·5	Crathes.
a Nairn	82	72	19th	46	18th	66·0	50·1	57·5	+ 0·9	7	0·77	20	+ 6	*3·9*	—	*23*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen	46	68	18, 23	46	18th	64·6	50·7	57·2	+ 0·8	6	0·91	23	+ 7	4·0	—	24	•	•	•	•	•	•	Nairn.
a Balmoral	930	67	19th	44	23rd	64·0	47·1	55·0	+ 0·7	7	1·00	25	+ 8	3·5	- 1·7	21	•	•	•	•	52·9	+0·1	Aberdeen.
p Crieff	432	70	23rd	44	18th	65·1	48·7	56·3	- 1·6	6	0·94	24	+ 7	•	•	•	0	40	•	•	•	•	Balmoral.
														4·2	•	25	•	•	•	•	•	•	Balruddery.
a Leith	18	69	19, 23	48	18th	65·1	51·6	57·9	- 0·5	5	0·48	12	- 3	•	•	•	•	•	•	•	•	•	
a West Linton	769	65	15th	42	15th	61·1	47·6	53·9	- 0·7	6	1·69	43	—	*3·3*	—	*20*	0	38	•	•	•	•	*West Linton.*
p Marchmont	498	67	23rd	44	18th	63·3	49·0	55·7	- 0·8	5	1·40	36	+ 17	4·5	- 1·0	27	0	41	•	•	•	•	Marchmont.
a Edinburgh	*441*	*67*	*19th*	*47*	*18th*	*63·2*	*51·0*	*56·9*	—	*5*	*0·54*	*14*	—	4·4	—	26	0	45	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	65	18, 19	43	18th	60·6	49·4	54·6	- 2·9	6	2·27	58	+ 35	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	66	19th	46	18th	62·1	51·3	56·3	- 1·2	5	1·66	42	+ 24	4·8	+ 0·2	29	0	35	•	•	•	•	Glasgow.
p Rothesay‡	170	63	18, 19, 23	47	18th	60·6	49·9	54·9	- 2·4	5	1·93	49	+ 26	*4·6*	—	*28*	0	42	58·9	•	56·0	+1·0	*Rothesay.*
a Kilmarnock	90	67	19th	41	18th	63·4	49·3	55·9	- 1·7	5	1·59	40	—	*5·3*	—	*32*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	65	18, 19, 23	48	18th	62·7	51·4	56·7	- 0·5	5	1·12	28	+ 9	•	•	•	0	42	•	•	•	•	
a Dumfries	160	65	18, 23	49	18, 24	62·3	51·6	56·6	- 2·1	7	0·71	18	- 1	*4·2*	—	*26*	0	40	58·7	•	57·2	•	*Dumfries.*
Eskdalemuir	*799*	*64*	*24th*	*43*	*18, 24*	*61·0*	*47·6*	*53·8*	—	*6*	*2·36*	*60*	—	*3·1*	—	*19*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	68	23rd	46	19, 24	62·4	48·7	55·1	- 2·7	5	1·04	26	+ 4	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas	277	63	23, 24	50	18, 21	59·9	51·7	55·5	- 1·8	5	0·58	15	- 2	4·6	- 1·8	28	0	46	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	69	19, 22	45	18, 24	66·4	48·0	56·6	- 0·7	5	0·57	15	- 1	5·5	—	33	0	38	57·7	- 0·6	55·0	+0·1	Cockle Park.
a Tynemouth	71	68	19, 22	49	18th	64·6	52·7	58·2	+ 0·5	2	0·35	9	- 5	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	69	19th	44	18th	66·1	50·9	58·0	- 0·8	4	0·43	11	- 6	5·0	- 0·4	30	0	38	•	•	•	•	Durham.
a, North .. *p* Rounton	249	71	19th	45	18th	66·3	51·0	58·1	+ 0·5	4	0·53	13	- 3	•	•	•	0	41	58·5	•	•	•	Rounton.
a West Witton	*605*	*67*	*19, 23*	*45*	*18th*	*64·1*	*50·6*	*56·9*	—	*6*	*0·62*	*16*	—	•	•	•	0	38	57·6	•	53·3	•	*West Witton.*
p Scarborough	100	73	19th	49	18th	67·1	52·6	59·4	+ 0·7	2	0·36	9	- 5	5·0	—	31	•	•	•	•	58·0†	•	Scarborough.
p York	56	73	19th	47	18th	66·4	54·0	59·8	- 0·3	4	0·60	15	0	3·0	- 2·7	18	•	•	58·8	+0·1	56·5	+1·1	York.
a Spurn Head	26	73	19th	52	19th	66·9	53·9	60·0	+ 0·3	5	0·55	14	+ 4	*5·4*	—	*33*	•	•	•	•	•	•	*Spurn Head.*
b, South .. *a* Lincoln	58	72	19th	48	18th	66·9	52·9	59·4	- 1·7	4	0·47	12	- 1	•	•	•	•	•	59·2	-1·1	57·3	+1·6	Lincoln.
a Fulbeck	180	71	19th	45	18th	66·3	51·6	58·4	- 2·4	5	0·94	24	+ 11	5·1	—	32	0	43	60·5	-3·5	56·9	- 0·4	Rauceby.
														6·1	—	38	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	70	19th	52	21st	65·4	53·4	59·0	- 1·0	5	0·80	20	—	5·4	—	34	•	•	•	•	•	•	Cromer.
p Little Massingham	280	67	19, 23, 24	47	18th	65·6	51·3	58·0	- 2·6	5	1·04	26	+ 11	5·6	- 0·9	35	0	46	•	•	•	•	Lit. Massingham.
a, North .. *a* Yarmouth	17	70	20th	53	21, 24	66·7	54·0	59·9	- 0·3	5	1·42	36	+ 22	?	?	?	•	•	•	•	•	•	Yarmouth.
a Norwich	93	69	20, 24	48	18th	67·4	53·0	59·7	- 0·6	5	0·98	25	—	*5·9*	—	*37*	0	43	61·4	•	•	•	*Norwich.*
a Geldeston	37	70	20, 24	49	18th	68·1	53·0	60·0	- 0·5	5	1·37	35	+ 22	5·8	- 1·1	36	•	•	•	•	•	•	Geldeston.
p Cambridge	41	70	19th	48	18th	66·7	52·4	59·1	- 2·8	5	0·74	19	+ 6	5·7	- 1·0	36	0	43	61·8	-0·9	59·1	+0·4	Cambridge.
b, South .. *a* Clacton-on-Sea	54	69	20, 21	47	18th	66·3	54·4	59·9	- 1·8	6	1·15	29	—	6·2	—	39	0	43	60·0	-0·7	58·3	-0·7	Clacton.
a Rothamsted	424	66	19, 21	48	18th	64·0	52·0	57·6	- 2·8	5	1·19	30	+ 16	5·0	- 1·9	31	0	41	59·2	•	•	•	Rothamsted.
p Tottenham	51	69	20th	51	18th	66·6	194·7	60·2	- 1·8	4	1·10	28	—	5·8	—	36	0	43	•	•	60·2	+0·3	Tottenham.
4. MIDLAND COUNTIES.																							
a, North .. *a* Harrogate	479	69	19th	47	18th	63·9	51·0	57·0	- 0·5	5	0·20	5	- 9	3·9	—	24	0	39	56·9	+0·1	55·6	+0·8	Harrogate.
p Buxton	*987*	*66*	*19th*	*48*	*21, 22*	*61·9*	*50·6*	*55·9*	- *1·0*	*5*	*1·36*	*35*	+ *13*	*3·6*	—	*22*	0	40	55·9	-2·9	55·0	+1·8	*Buxton.*
														5·6	—	35	0	46	57·9	-0·7	54·1	+0·2	Sheffield.
a Bawtry	65	73	19th	47	18th	67·1	52·9	59·5	- 0·7	4	0·30	8	- 5	4·1	- 1·3	25	0	40	58·4	•	56·0	•	Worksop.
a Nottingham	82	71	19th	48	24th	66·7	52·9	58·9	- 1·2	5	0·69	15	+ 2	3·8	—	24	0	43	59·8	-1·0	57·0	+0·3	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	68	19th	49	24th	63·7	51·9	57·4	- 2·8	5	0·78	20	+ 7	3·4	—	21	0	45	54·9	-1·4	52·9	+0·8	Birmingham.
a Raunds	203	70	18-20	44	18th	67·4	50·9	58·6	- 2·6	5	0·73	19	—	*4·6*	—	*29*	0	37	61·2	•	56·9	•	*Raunds.*
p Oxford	208	68	19th	47	18th	65·4	53·1	58·8	- 2·8	5	1·06	27	+ 13	4·5	- 2·0	28	0	39	•	•	•	•	Oxford.
a Cheadle	646	72	19th	47	24th	65·0	52·3	58·2	- 0·1	5	0·74	19	+ 3	•	•	•	0	45	•	•	•	•	Cheadle.
p Shrewsbury	191	69	19th	46	18th	65·7	51·6	58·2	- 1·3	4	0·63	16	—	•	•	•	0	41	•	•	•	•	Shrewsbury.
c, West .. *a* Hereford§	291	69	18th	43	18th	65·7	51·3	58·0	- 2·3	4	1·10	28	+ 15	*3·8*	—	*24*	0	38	60·5	•	59·4	•	*Malvern.*§
a Cirencester	446	71	21st	44	18th	65·8	50·2	57·5	- 2·1	5	1·68	43	+ 28	3·8	- 2·6	24	0	39	53·5	•	56·9	•	Cirencester.
a Bath	66	70	19th	48	18th	66·0	53·9	59·5	- 1·5	4	1·85	47	+ 32	5·0	—	31	•	•	•	•	•	•	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	67	19th	40	18th	64·0	50·9	57·0	- 2·7	5	1·09	28	+ 14	7·6	—	48	0	44	61·9	-2·0	59·0	-0·3	Worthing.
a Margate	53	70	20th	53	18, 19, 24	66·3	54·7	60·1	- 1·8	4	0·59	15	+ 4	4·1	- 2·0	26	0	32	59·5	•	57·0	•	Marlborough.
a Wisley, Surrey	150	69	20th	48	18th	66·4	53·4	59·5	- 3·2	4	1·07	27	—	6·3	- 0·4	40	0	51	61·5	-0·1	60·4	+2·5	Margate.
p Salisbury (Wilton)	180	68	19th	44	18th	62·7	50·1	56·0	- 6·1	5	2·07	53	+ 40	5·9	—	37	0	39	60·6	-1·8	58·1	-0·6	Wisley.
a Tunbridge Wells	354	69	20th	45	18th	65·4	52·3	58·4	- 2·5	3	1·01	26	+ 13	•	•	•	0	42	62·1	•	•	•	Salisbury.
														5·9	- 0·9	37	0	39	59·9	-3·4	58·6	•	Tunbridge Wells.
a Dungeness	21	65	21, 24	45	18th	63·9	54·7	59·0	- 2·1	3	0·75	19	+ 9	•	•	•	•	•	•	•	•	•	
p Hastings	178	65	20, 21	47	18th	63·4	53·6	58·2	- 2·9	3	0·89	23	+ 11	6·6	- 1·2	42	0	43	62·0	•	59·4	•	Littlestone.
p Southampton	64	69	18, 20	48	18th	66·3	54·0	59·3	- 3·7	5	1·83	47	+ 34	6·0	- 1·2	38	0	40	•	•	•	•	Hastings.
a Ventnor	59	66	18th	52	18th	64·0	55·3	59·4	- 2·5	2	0·64	16	+ 4	7·1	0·0	45	•	•	•	•	•	•	Southampton.
																							Ventnor.
LONDON. *p* Kew	18	70	19th	50	18th	66·7	55·0	60·4	- 1·8	5	1·13	29	+ 16	*5·4*	- *1·3*	*34*	0	42	60·1	-1·9	57·4	+0·2	Kew.
a Westminster	*27*	*70*	*20th*	*48*	*18th*	*67·1*	*54·7*	*60·5*	- *1·7*	*4*	*1·21*	*31*	+ *18*	*4·8*	- *1·1*	*30*	0	?45	•	•	•	•	*Westminster.*
a Greenwich	*155*	*74*	*24th*	*49*	*18th*	*69·6*	*53·4*	*60·9*	- *2·2*	*4*	*1·12*	*28*	+ *15*	*6·1*	- *1·5*	*38*	0	40	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*68*	*24th*	*46*	*18th*	*64·3*	*51·2*	*57·3*	—	*5*	*1·53*	*39*	—	*5·0*	—	*31*	0	?	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*72*	*24th*	*48*	*18th*	*69·3*	*54·0*	*61·1*	—	*4*	*0·94*	*24*	—	*4·9*	—	*31*	0	45	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	64	18, 24	46	18th	60·4	51·0	55·4	- 1·4	6	1·16	30	+ 8	4·6	•	29	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	65	18, 19, 24	42	18th	62·9	49·9	56·0	- 0·8	6	1·09	28	+ 10	4·3	—	26	0	39	57·9	•	54·0	•	Aspatria.
p Stonyhurst	375	67	19th	51	21st	62·9	53·1	57·7	- 0·4	5	0·68	17	- 5	4·3	- 1·4	26	0	34	58·3	-1·5	54·8	-0·2	Newton Rigg.
p Blackpool	66	68	19th	51	23rd	64·3	54·3	59·0	- 0·2	2	0·31	8	- 8	4·1	- 1·7	25	0	36	•	•	•	•	Stonyhurst.
a Southport	*37*	*69*	*19th*	*53*	*23rd*	*64·0*	*54·9*	*59·1*	- *0·1*	*3*	*0·39*	*10*	- *6*	5·4	- 0·6	33	0	43	61·2	•	56·6	•	Blackpool.
a Liverpool (Bidston)	188	68	19th	53	18, 21	63·7	53·7	58·4	- 1·9	3	0·35	9	- 6	*5·7*	—	*35*	0	50	62·3	-1·4	60·2	0·0	*Southport.*
a Hawarden Bridge	*22*	*69*	*19th*	*52*	*18th*	*64·4*	*54·3*	*59·0*	- *1·1*	?	?	?	?	*5·1*	—	*32*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	70	19th	52	24th	65·4	54·1	59·4	- 0·5	5	0·85	22	+ 7	*3·7*	—	*23*	0	47	59·7	-0·4	59·0	+1·8	*Manchester (City)*
														3·3	- *1·2*	*24*	•	•	•	•	•	•	„ *(Whit. Park)*
b, NORTH WALES.																							
p Llandudno	71	67	19, 23	51	18, 23	65·1	53·6	59·0	- 0·7	3	0·16	4	- 9	4·6	- 1·4	29	•	•	•	•	•	•	Llandudno.
a Holyhead	15	64	24th	52	18th	61·4	54·6	57·8	- 0·4	4	0·29	7	- 8	*4·7*	—	*29*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*65*	*22nd*	*44*	*18th*	*63·1*	*51·0*	*56·6*	- *2·4*	*6*	*1·48*	*38*	—	*2·7*	—	*17*	•	•	•	•	•	•	*Bettws-y-Coed.*
														5·3	—	33	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. in Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Mean for the Week. Of Daily Min.	Mean for the Week. Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														5·7	—	36	*	*	*	*	*	*	Aberystwyth
a Llangammarch Wells	550	67	18th	47	18th	63·2	51·8	57·1	− 1·0	6	1·49	38	—	4·1	—	26	0	?43	58·7	+0·9	54·0	+1·0	Llangammarch.
a Pembroke	149	62	22nd	53	18th	60·1	54·9	57·3	− 1·0	3	0·43	11	− 3	5·8	− 0·8	36	*	*	*	*	*	*	Pembroke.
p Cardiff	202	65	18th	48	18th	63·4	52·4	57·5	− 3·5	6	1·40	36	+ 17	4·8	—	30	0	40	60·0	−0·4	57·7	−0·4	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	68	19th	50	18th	65·1	54·4	59·4	− 2·4	4	2·13	54	+ 37	4·4	—	28	0	48	*	*	*	*	*Clifton.*
a Shaftesbury	722	70	23rd	45	18th	66·3	49·4	57·3	− 2·4	5	1·45	37	+ 22	*	*	*	*	*	59·0	*	57·8	*	Shaftesbury.
a Arlington	613	64	18, 24	48	21st	62·3	51·1	56·3	− 1·9	7	1·95	50	+ 27	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*68*	*19th*	*54*	*23, 24*	*62·9*	*55·4*	*58·9*	− *1·3*	7	*0·78*	*20*	+ 7	5·5	− 1·4	35	0	51	61·7	*	58·3	*	Newquay.
a Cullompton	202	72	19th	47	18th	66·0	52·1	58·6	− 1·8	5	1·33	34	+ 17	4·5	− 1·6	29	0	43	60·9	*	*	*	Cullompton.
a Portland Bill	19	62	20, 24	53	18th	60·6	54·9	57·6	− 2·5	4	1·14	29	—	*6·4*	—	*41*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	66	18th	47	18th	64·1	53·7	58·5	− 2·5	6	1·42	36	+ 19	5·5	− 1·3	35	0	38	60·4	−4·7	57·7	*	Plymouth.
a Falmouth	167	67	19th	51	21st	63·9	53·7	58·4	− 1·8	5	1·07	27	+ 10	6·4	− 0·9	41	0	45	62·6	*	61·0	*	Falmouth.
9. IRELAND. N.																							
a Malin Head	208	64	18th	50	18, 21, 24	60·0	51·7	55·6	− 0·8	7	0·87	22	+ 5	*4·3*	—	*26*	*	*	*	*	*	*	*Malin Head.*
a, West .. *a* Blacksod Point	?	63	18th	50	18, 20, 24	60·4	50·7	55·2	− 2·3	7	0·44	11	− 6	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	68	19, 22	38	18th	63·6	48·7	55·6	− 1·3	7	1·30	33	+ 13	5·1	+ 0·9	31	0	35	59·0	*	55·8	*	Markree Castle.
a Birr Castle	175	65	19, 22	47	18th	63·7	51·9	57·4	− 1·0	7	0·96	24	+ 7	*4·3*	− *0·2*	*27*	*	*	*	*	*	*	*Birr Castle.*
b, East .. *p* Armagh	196	69	22nd	44	18th	65·0	50·7	57·4	− 0·3	6	0·66	17	0	4·0	− 0·6	25	0	40	58·9	−2·6	56·0	−1·0	Armagh.
a Donaghadee	101	67	19th	47	18th	61·9	51·3	56·2	− 1·3	7	1·67	42	+ 25	*	*	*	*	*	*	*	*	*	*
														4·2	—	*26*	0	42	60·1	−0·9	57·0	−0·3	Trinity Coll.
														5·1	− 0·3	32	0	40	*	*	*	*	Phœnix Park.
10. IRELAND. S.																							
p Dublin, City	47	68	19th	48	18th	64·9	53·4	58·8	− 1·6	5	0·52	13	− 1	*	*	*	0	45	*	*	*	*	Dublin City.
a Kilkenny	212	69	19th	45	18th	65·7	51·4	58·1	− 0·8	7	0·70	18	+ 2	*	*	*	*	*	*	*	*	*	*
a, East .. *a* Waterford	30	67	23rd	49	18, 23	64·6	52·7	58·2	− 1·5	5	0·22	6	− 13	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*67*	*19, 23*	*47*	*18th*	*64·3*	*50·9*	*57·1*	—	*4*	*0·35*	*9*	—	*4·6*	—	*29*	0	42	*	*	*	*	*Seskin.*
a Birr Castle	175	65	19, 22	47	18th	63·7	51·9	57·4	− 1·0	7	0·96	24	+ 7	4·3	− 0·2	27	*	*	*	*	*	*	Birr Castle.
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*	*	*	*	*	*	*
a Cahir	199	68	19th	47	18th	65·3	51·4	57·9	− 1·1	7	0·81	21	—	*	*	*	*	*	*	*	*	*	*
b, West .. *a* Killarney ..	174	66	19, 22	47	18th	64·6	53·2	58·5	0·0	6	1·05	27	+ 8	*	*	*	*	*	*	*	*	*	*
a Valencia	30	64	22nd	49	18th	62·3	53·7	57·7	− 0·7	6	0·63	16	− 6	4·8	− 0·1	30	*	*	*	*	*	*	Valencia.
a Roche's Point	32	65	23rd	49	18th	62·7	52·4	57·2	− 2·1	6	0·51	13	− 3	5·7	—	36	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	18, 19, 21	53	18th	62·6	54·6	58·3	− 2·4	4	0·51	13	− 1	5·7	− 1·3	37	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	71	19th	54	18th	64·9	56·3	60·3	− 1·9	1	0·71	18	+ 5	9·3	+ 1·2	60	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	70	19th	53	18, 21	64·9	55·0	59·6	− 1·7	2	1·96	50	+ 38	8·9	+ 0·6	57	0	48	62·9	−0·4	60·2	+0·3	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, July 24th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	‡15**	—	—	—	—	4	140	15	9	SSE.	10	19th 5h.	16 19th 5 . 37
Aberdeen*	105	37 ‖ 52 ‖	—	—	—	—	20	121	27	0	W. by S.	7	20th 21h.	13 20th 20 . 56
Edinburgh	39	31	—	—	20th	5	83	64	16	0	SSW.	13	20th 10h.	20 20th 9 . 25
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	19 to 21	14	91	51	12	0	SW. by S.	13	20th 10h.	19 20th 13 . 35
Paisley (Coats Obs.)	81	52	—	—	—	—	42	113	13	0	W. by N.	9	20th 12h.	21 20th 8 . 18
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	20	70	78	0	W. by N.	8	21st 10h.	18 21st 9 . 35
South Shields ..	61	12	—	—	20th	5	44	92	25	2	W.	12	20th 16h.	18 20th 17 . 55
Spurn Head	40	†	—	—	—	—	81	62	25	0	W. by S.	9	20th 16h.	14 20th 16 . 29
3. ENGLAND, E.													
Gorleston	42	‡	—	—	—	—	70	90	8	0	—	10	22nd 18h.	17 23rd 11 . 29
Shoeburyness ..	90	‡	—	—	22, 23	15	82	68	3	0	SW. by S.	14	22nd 15h.	22 23rd 14 . 7
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	66	88	14	0	SSW.	9	22nd 13h.	21 23rd 11 . 20
5. ENGLAND, S.E.													
Dover	40	‡	—	—	21 to 23	29	54	16	5	64	—	15	23rd 13h.	21 23rd 10 . 52
Warlingham ..	33	‡	—	—	—	—	64	101	3	0	—	10	22nd 17h.	18 22nd 17 . 40
Brighton	53	6	—	—	—	—	82	57	0	29	—	11	23rd 11h.	16 23rd 15 . 59
Kew†	65	6 ‖ 22 ‖	—	—	—	—	38	120	10	0	SW. by W.	8	23rd 12h.	15 23rd 12 . 4
South Kensington ..	92	30	—	—	—	—	7	147	14	0	W.	7	20th 13h.	13 20th 14 . 10
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	32	97	39	0	W. by N.	9	20th 20h.	19 20th 20 . 17
Southport	62	48	20th	2	18 to 21	46	80	40	0	0	SW. by W.	17	20th 12h.	23 20th 12 . 8
Holyhead*	40	†	—	—	19, 20	16	108	43	1	0	SW. by S.	13	19th 14h.	21 19th 14 . 50
8. ENGLAND, S.W.													
Pendennis Castle§ ..	65	24	—	—	19, 21 to 23	31	91	44	2	0	SW.	16	19th 11h.	19 19th 11 . 18
Plymouth	88	2	22nd	3	18 to 24	113	23	19	10	0	—	18	22nd 10h.	23 22nd 10 . 8
10. IRELAND, S.													
Quilty	40	‡	—	—	19, 20, 22	35	107	26	0	0	—	15	19th 13h.	24 20th 8 . 10
Weaver Pt.	30	‡	—	—	19th	2	74	73	19	0	—	11	19th 11h.	18 19th 10 . 9
11. ENGLAND, CHANNEL.													
Scilly*	32 ‖ 19 ‖	‡	—	—	23rd	8	93	63	4	0	WNW.	13	23rd 8h.	19 23rd 7 . 35

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

TWENTY-NINTH WEEK—July 18th to July 24th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	68	45	61·0	49·9	55·1	+ 0·1	92	+ 1	0	0	6	+ 1	1·14	29	3·3	−0·8	19	1002
Eastern.																		
1. SCOTLAND, EAST ...	72	42	64·4	49·5	56·5	− 0·4	102	− 2	0	0	6	+ 2	1·05	27	+ 8	3·9	−1·3	23	1003
2. ENGLAND, N.E.	73	44	66·3	52·0	58·7	0·0	117	0	0	0	4	+ 1	0·54	14	0	4·8	−1·4	40	1008
3. ENGLAND, EAST ...	70	47	66·3	53·1	59·3	− 1·4	121	− 10	0	0	5	+ 2	1·09	28	+ 13	5·6	−1·0	35	1003
4. MIDLAND COUNTIES ...	73	43	65·6	52·0	58·3	− 1·8	114	− 13	0	0	5	+ 2	0·88	22	+ 7	4·3	−1·5	27	1010
5. ENGLAND, S.E.	70	40	64·8	53·4	58·7	− 2·9	117	− 20	0	0	4	+ 1	1·11	28	+ 14	6·1	−0·7	38	1003
Western.																		
6. SCOTLAND, WEST ...	68	41	61·8	50·4	55·7	− 1·7	96	− 12	0	0	5	+ 1	1·36	35	+ 14	4·7	−0·7	28	1005
7. ENGLAND, N.W.	70	42	63·3	53·0	57·8	− 1·2	111	− 8	0	0	4	0	0·61	16	− 2	4·7	−1·0	29	1009
8. ENGLAND, S.W.	72	45	63·5	52·8	57·8	− 2·2	111	− 15	0	0	5	+ 1	1·38	35	+ 16	5·4	−0·8	34	1003
9. IRELAND, NORTH ...	69	38	62·4	50·8	56·2	− 1·2	99	− 9	0	0	7	+ 2	0·98	25	+ 5	4·6	+0·2	28	1006
10. IRELAND, SOUTH ...	69	45	64·2	52·5	58·0	− 1·1	112	− 8	0	0	6	+ 1	0·68	17	− 1	5·0	+0·1	31	1010
11. ENGLISH CHANNEL ...	71	53	64·1	55·3	59·4	− 2·1	122	− 15	0	0	2	− 2	1·06	27	+ 13	8·0	+0·5	51	1015

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 8 Weeks, May 30th to July 24th, 1915.

0. SCOTLAND, NORTH ...	78	34	60·0	46·9	53·0	*	615	− 19	0	− 4	29	− 3	4·05	103	− 37	5·2	+0·4	30	1013
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·3	46·2	54·2	*	688	− 28	3	0	26	− 2	4·83	123	+ 6	5·9	+0·1	34	1014
2. ENGLAND, N.E.	85	31	64·6	49·0	56·3	*	798	0	0	0	21	− 3	4·44	114	+ 22	6·2	−0·1	37	1015
3. ENGLAND, EAST ...	90	31	66·7	50·7	58·1	*	902	− 3	0	0	23	+ 1	5·00	128	+ 31	6·8	−0·1	41	1014
4. MIDLAND COUNTIES ...	87	31	67·2	48·3	57·1	*	845	− 47	0	− 1	21	− 2	5·41	137	+ 36	6·1	−0·1	37	1015
5. ENGLAND, S.E.	88	29	66·3	50·8	58·0	*	899	− 53	0	0	18	− 3	3·97	101	+ 9	6·6	−0·5	41	1014
Western.																			
6. SCOTLAND, WEST ...	76	30	63·7	48·2	55·4	*	752	− 20	0	− 1	27	− 1	5·19	132	− 16	6·1	0·0	36	1014
7. ENGLAND, N.W.	77	32	64·2	49·8	56·5	*	810	− 30	0	0	22	− 4	4·34	113	− 2	6·4	0·0	39	1015
8. ENGLAND, S.W.	79	28	64·3	50·2	56·8	*	830	− 58	0	0	24	− 2	6·02	153	+ 39	6·1	−0·7	38	1015
9. IRELAND, NORTH ...	75	34	62·2	49·1	55·2	*	741	− 36	0	0	35	+ 3	5·55	141	+ 10	5·6	+0·3	33	1014
10. IRELAND, SOUTH ...	78	34	64·4	50·7	57·1	*	841	− 20	0	0	32	+ 4	5·39	137	+ 12	5·5	−0·3	34	1015
11. ENGLISH CHANNEL ...	81	43	63·9	53·5	58·3	*	914	− 32	0	0	18	− 8	4·00	102	+ 10	6·9	−1·2	44	1016

THE YEAR.—Aggregates, &c., for the Period of 29 Weeks, January 3rd to July 24th, 1915.

0. SCOTLAND, NORTH ...	80	12	50·4	38·6	44·2	*	977	− 45	503	− 54	127	− 5	24·47	621	− 34	3·7	+0·1	28	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	51·9	37·4	44·3	*	1093	− 87	630	+ 10	108	0	15·66	398	+ 8	4·3	+0·1	33	1011
2. ENGLAND, N.E.	85	20	53·1	40·0	46·3	*	1291	+ 14	403	− 72	97	− 1	13·57	344	+ 46	4·6	+0·1	35	1012
3. ENGLAND, EAST ...	90	18	54·4	41·0	47·4	*	1493	− 15	381	−140	102	+ 7	15·13	387	+ 91	4·7	−0·1	37	1012
4. MIDLAND COUNTIES ...	87	19	55·2	39·5	47·0	*	1471	− 52	451	− 82	91	− 3	15·96	405	+ 71	4·4	+0·1	34	1013
5. ENGLAND, S.E.	88	15	55·1	41·8	48·2	*	1584	− 40	318	− 63	84	− 6	17·22	441	+118	4·7	−0·1	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	53·0	39·7	46·1	*	1250	− 38	434	+ 9	109	− 5	21·11	536	− 49	4·7	+0·4	36	1012
7. ENGLAND, N.W.	77	21	53·3	41·0	46·9	*	1342	− 40	344	− 42	96	− 8	17·56	448	+ 35	4·9	+0·6	37	1012
8. ENGLAND, S.W.	79	17	54·4	42·3	47·9	*	1500	− 64	298	− 3	101	− 2	21·64	549	+ 88	4·6	−0·2	36	1013
9. IRELAND, NORTH ...	75	20	52·8	40·8	46·6	*	1285	− 75	352	+ 7	122	− 2	17·77	454	− 20	4·2	+0·2	32	1011
10. IRELAND, SOUTH ...	78	21	54·8	42·4	48·3	*	1558	− 35	284	+ 25	119	+ 8	19·75	506	+ 2	4·4	0·0	34	1013
11. ENGLISH CHANNEL ...	81	27	54·9	45·3	49·9	*	1719	− 51	120	+ 11	100	−10	17·13	432	+ 50	5·1	−0·6	40	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., July 28th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 30. THIRTIETH WEEK, SUNDAY, JULY 25TH TO SATURDAY, JULY 31ST, 1915.

Price 6d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The weather was again in a very unsettled condition, especially during the earlier half of the period, when rain fell in all districts. Thunderstorms were experienced daily in some part of the Kingdom, and were widespread at times with heavy rain locally. At Crathes on the 25th 15 mm. fell in 20 minutes; at Shankill, Dublin, on the 31st the fall equalled 35 mm. In Ireland S. the total rainfall for the week was greatly in excess of the average and a slight excess was also recorded in Scotland E., England E. and the English Channel. Over Great Britain as a whole the rainfall was less than the average. Although the general condition was unsettled the duration of sunshine exceeded the normal, the excess ranging between 2 and 3 hours per day in most parts of England. In England S.E. the mean daily duration was as much as 9 hours. Temperature was everywhere below the average, the deficit being more than 3° in several districts. Readings of 70° or above were seldom experienced, and the highest value for the week was 74° in the Midland Counties.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Very heavy	Moderate
	Sunshine ...	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Very abundant	Abundant	Abundant	Moderate	Abundant	Moderate

THE SEASON.

SUMMER. 9 weeks from May 30th, 1915.	Warmth ...	2, 4, 3	1, 4, 4	2, 3, 4	2, 2, 5	1, 4, 4	1, 2, 6	2, 3, 4	1, 5, 3	1, 3, 5	1, 6, 2	2, 4, 3	1, 4, 4
	Rainfall ...	1, 4, 4	3, 4, 2	3, 3, 3	4, 2, 3	4, 2, 3	4, 2, 3	2, 4, 3	2, 4, 3	5, 1, 3	3, 4, 2	3, 4, 2	3, 3, 3
	Sunshine ...	3, 4, 2	3, 1, 5	3, 2, 4	5, 2, 2	4, 1, 4	2, 4, 3	2, 3, 4	3, 4, 2	3, 4, 2	1, 6, 2	2, 5, 2	1, 4, 4

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, July 31st. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	53	52	52·4	0·0	IRELAND, S.W. Cleggan	60	57	58·9	+1·6
Wick	51	50	50·4	−2·1	ENGLAND, N.E. Burnmouth, Berwick	51	49	50·0	−4·1
SCOTLAND, W. Ballantrae	58	53	55·1	−0·5	ENGLAND, E. Shipwash Lightship	62	60	60·5	−0·4
ENGLAND, S.W. Scilly	60	58	58·4	—	ENGLAND, S.E. Eastbourne‡	62	62	62·0	−1·1
Plymouth‡	60	58	58·8	−1·5	ENGLAND, N.W. Port Erin	59	56	56·8	+1·3
IRELAND, N.W. Sheephaven	62	55	58·7	+0·3					

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5686—19.) Wt. 160—610. 450. 8/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Average.	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
a, Islands .. *p Baltasound*	*31*																						*Baltasound.*
a Lerwick ..	54	60	27th	49	25, 26, 31	57·3	49·7	53·2	+ 0·7	3	0·41	10	—	4·7	+ 0·4	28	•	•	•	•	•	•	Deerness.
a Stornoway	51	63	26th	43	26th	60·1	47·3	53·3	- 1·2	4	0·87	22	+ 3	5·6	+ 1·1	34	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd. ..	*57*	*63*	*30th*	*48*	*25, 29*	*60·1*	*50·4*	*54·9*	*0·0*	*2*	*0·06*	*1*	—	*8·3*	—	*50*	•	•	•	•	•	•	*Castlebay.*
b, Mainland. *a* Wick ..	81	61	30th	43	31st	57·3	48·0	52·3	- 2·3	6	0·52	13	- 3	•	•	•	•	•	•	•	•	•	•
p Strathpeffer ..	200	68	30th	45	27th	64·6	49·0	56·3	+ 0·2	6	1·24	32	+ 16	5·0	+ 0·9	30	•	•	•	•	•	•	Strathpeffer.
p Glencarron ..	500													•		•	•	•	•	•	•	•	•
p Fort Augustus ..	68	66	28th	41	26th	62·0	45·9	53·4	- 2·9	5	0·84	21	+ 3	4·4	+ 1·3	26	•	•	•	•	•	•	Fort Augustus.
p Fort William ..	171	72	31st	41	26th	65·3	45·6	54·8	- 1·7	4	0·67	17	- 15	•	•	•	•	•	•	•	•	•	•
1. SCOTLAND, E.																							
p Gordon Castle ..	101	66	26th	44	27th	62·9	47·3	54·6	- 2·1	6	0·71	18	+ 2	4·5	—	27	0	34	57·4	-0·9	54·3	-0·4	Crathes.
a Nairn ..	82	65	29, 31	42	27th	60·6	47·3	53·5	- 3·1	6	1·93	49	+ 35	5·1	•	*31*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen	46	64	31st	44	26th	61·4	47·0	53·7	- 2·8	5	1·20	31	+ 15	4·8	—	29	•	•	•	•	•	•	Nairn.
a Balmoral	930	64	29, 31	39	26th	61·6	41·4	50·8	- 3·3	6	0·97	25	+ 7	5·6	+ 0·5	34	•	•	•	•	53·1	-0·1	Aberdeen.
p Crieff ..	432	69	29, 30	44	26, 28-30	65·0	45·1	54·4	- 3·4	4	0·44	11	- 8	•	•	•	0	36	•	•	•	•	Balmoral.
														6·3	•	38	•	•	•	•	•	•	Balruddery.
a Leith	18	68	29, 30	42	26th	64·0	48·3	55·6	- 2·8	3	0·39	10	- 6	•	•	•	•	•	•	•	•	•	•
a West Linton	769	64	31st	34	26th	61·3	41·3	50·6	- 4·0	3	0·49	12	—	*6·9*	—	*43*	0	32	•	•	•	•	*West Linton.*
p Marchmont	498	65	26th	41	26th	62·7	43·7	52·5	- 4·0	5	0·45	11	- 9	7·2	+ 1·9	44	0	40	•	•	•	•	Marchmont.
a Edinburgh	*441*	*66*	*29th*	*46*	*25, 26*	*62·4*	*47·6*	*54·5*	—	*3*	*0·34*	*9*	—	7·7	—	47	0	42	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	69	31st	44	29th	64·9	48·0	55·9	- 1·6	4	0·23	6	- 19	•	•	•	•	•	•	•	•	•	•
p Glasgow Observatory	180	68	31st	46	26th	63·7	48·6	55·6	- 1·7	4	0·51	13	- 6	7·6	+ 3·1	47	0	39	•	•	•	•	Glasgow.
p Rothesay‡	170	65	26, 30, 31	46	25, 29	63·3	48·6	55·4	- 1·9	3	0·34	9	- 16	*10·3*	—	*63*	0	38	60·0	•	56·0	+1·0	*Rothesay.*
a Kilmarnock	90	68	31st	40	29th	64·4	43·7	53·3	- 4·3	2	0·42	11	—	*9·7*	—	*60*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	69	31st	40	30th	66·0	45·9	55·3	- 1·9	2	0·06	2	- 18	•	•	•	0	37	•	•	•	•	•
a Dumfries	160	69	31st	43	29th	64·6	46·3	54·8	- 3·8	4	0·55	14	- 6	*8·7*	—	*54*	0	38	59·0	•	57·4	•	*Dumfries.*
Eskdalemuir	*799*	*66*	*30th*	*36*	*26, 30*	*62·1*	*39·4*	*50·0*	—	*5*	*0·60*	*15*	—	*7·6*	—	*47*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	69	30th	42	29th	65·6	45·3	54·7	- 2·9	2	0·20	5	- 18	•	•	•	•	•	•	•	•	•	•
b, I. OF MAN. *p* Douglas ..	277	65	30th	47	25th	61·3	50·6	55·6	- 1·7	2	0·39	10	- 9	8·7	+ 2·5	54	0	43	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	65	25, 30	?42	26th	63·3	?45·3	?53·7	- 3·5	4	0·32	8	- 9	7·2	—	45	0	34	55·4	-3·0	55·0	-0·2	Cockle Park.
a Tynemouth	71	65	25th	46	26th	62·1	48·3	54·7	- 3·0	4	0·31	8	- 7	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham ..	336	71	29th	44	25, 30, 31	65·7	46·0	55·2	- 3·5	5	0·73	19	+ 2	6·5	+ 1·2	40	0	35	•	•	•	•	Durham.
a, North .. *p* Rounton ..	249	69	30, 31	41	26th	67·1	44·7	55·1	- 2·5	4	0·41	11	- 5	•	•	•	0	38	58·3	•	•	•	Rounton.
a West Witton ..	*605*	*69*	*30th*	*41*	*26th*	*66·1*	*45·3*	*55·0*	—	*5*	*0·19*	*5*	—	•	•	•	0	36	58·2	•	53·7	•	*West Witton.*
p Scarborough ..	100	67	26, 31	49	25, 29	65·4	50·9	57·7	- 1·0	4	1·48	38	+ 24	9·4	—	59	•	•	•	•	58·0†	•	Scarborough.
p York ..	56	71	30th	45	31st	68·3	48·6	57·8	- 2·1	4	0·26	7	- 8	8·7	+ 5·1	54	•	•	59·8	+0·8	58·7	+0·6	York.
b, South .. *a* Spurn Head	26	68	30, 31	51	30th	65·4	52·7	58·6	- 1·0	2	0·08	2	- 8	*8·7*	—	*54*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln ..	58	72	31st	47	25, 30, 31	68·4	48·6	57·8	- 2·9	2	0·04	1	- 12	•	•	•	•	•	59·9	-1·1	57·4	+1·0	Lincoln.
a Fulbeck ..	180	72	31st	45	25, 30, 31	67·4	47·1	56·5	- 3·9	4	0·15	4	- 9	7·9	—	50	0	43	60·5	-3·5	57·0	-0·9	Rauceby.
														8·6	—	54	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer ..	196	68	31st	49	29th	64·6	51·4	57·5	- 2·9	4	0·43	11	—	8·1	—	51	•	•	•	•	•	•	Cromer.
p Little Massingham ..	280	73	31st	46	29th	67·3	48·4	57·2	- 3·4	3	0·53	13	- 3	7·6	—	48	0	42	•	•	•	•	Lit. Massingham.
a, North .. *a* Yarmouth	17	69	26th	49	29th	66·3	51·4	58·3	- 2·2	5	1·30	33	+ 19	7·9	—	50	•	•	62·5	-2·6	59·8	-1·1	Yarmouth.
a Norwich	93	73	31st	48	29th	69·1	50·7	59·3	- 1·3	5	0·41	10	—	*7·9*	—	*50*	0	43	62·0	•	•	•	*Norwich.*
a Geldeston	37	72	31st	47	29th	69·1	50·4	59·1	- 1·3	5	0·93	24	+ 11	7·4	+ 0·6	47	•	•	•	•	•	•	Geldeston.
b, South .. *p* Cambridge	41	71	30th	45	30th	68·7	48·1	57·7	- 4·0	6	0·29	7	- 6	8·1	+ 1·4	52	0	41	62·8	-0·4	59·6	+0·3	Cambridge.
a Clacton-on-Sea	54	70	30th	50	29th	67·3	53·1	59·7	- 2·0	4	0·63	16	—	9·2	—	59	0	46	61·0	+0·1	58·8	-0·8	Clacton.
a Rothamsted	424	69	30th	46	26, 29	66·7	48·1	56·8	- 3·6	4	0·32	8	- 6	7·8	+ 0·8	50	0	39	59·8	•	•	•	Rothamsted.
p Tottenham	51	72	30th	51	29, 30	69·1	52·9	60·4	- 2·9	4	0·65	17	—	8·2	—	53	0	41	•	•	60·3	-0·1	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	69	31st	44	28th	65·0	47·3	55·5	- 2·0	2	0·30	8	- 6	9·2	—	53	0	40	57·1	-0·1	55·8	+0·5	Harrogate.
p Buxton ..	*987*	*67*	*31st*	*41*	*26th*	*62·6*	*47·4*	*54·5*	- *2·4*	*6*	*1·15*	*29*	+ *6*	*7·6*	—	*48*	0	34	57·3	-1·8	55·0	+1·2	*Buxton.*
														8·3	—	52	0	41	58·9	-0·4	54·7	+0·2	Sheffield.
a Bawtry ..	65	72	31st	42	31st	67·9	47·3	56·9	- 3·3	3	0·19	5	- 8	7·3	+ 2·1	46	0	39	58·9	•	56·6	•	Worksop.
a Nottingham	82	70	30th	45	30, 31	67·6	47·1	56·6	- 4·0	5	0·38	10	- 3	7·0	—	44	0	41	60·9	-0·7	57·3	-0·3	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	68	30th	47	26th	64·6	49·0	56·3	- 3·6	7	0·71	18	+ 5	7·1	—	45	0	36	54·9	-1·9	53·0	+0·3	Birmingham.
a Raunds ..	203	74	30th	44	29th	71·1	47·0	58·2	- 3·0	3	0·38	10	—	*7·0*	—	*45*	0	43	62·3	•	57·4	•	*Raunds.*
p Oxford ..	208													•	•	•	0	•	•	•	•	•	Oxford.
a Cheadle ..	646	70	30th	44	26th	64·3	47·1	55·1	- 3·1	5	1·34	34	+ 17	•	•	•	0	42	•	•	•	•	Cheadle.
p Shrewsbury ..	191	70	30th	44	26, 30	66·7	47·3	56·3	- 3·2	5	0·54	14	—	•	•	•	0	41	•	•	•	•	Shrewsbury.
c, West .. *a* Hereford§	291	70	30th	42	26th	66·6	46·7	56·0	- 4·4	5	0·56	14	+ 1	*7·6*	—	*48*	0	37	60·5	•	59·4	•	*Malvern.*§
a Cirencester	446	68	29, 30	43	25, 26	65·4	46·1	55·1	- 4·3	4	0·39	10	- 5	6·8	+ 0·4	44	0	37	58·3	•	56·9	•	Cirencester.
a Bath ..	66	70	30th	47	25th	67·1	50·0	58·0	- 2·9	4	0·47	12	- 3	8·5	—	54	•	•	•	•	•	•	Bath.
5. ENGLAND, S.E.																							
a Marlborough ..	424	69	30th	40	26th	66·0	46·0	55·3	- 4·3	3	0·52	13	- 1	10·0	—	65	0	42	63·9	-0·4	59·6	-0·1	Worthing.
a Margate ..	53	69	28, 30, 31	51	29th	67·9	52·7	59·8	- 2·2	4	0·31	8	- 3	7·8	+ 1·7	50	0	34	59·7	•	57·5	•	Marlborough.
a Wisley, Surrey	150	71	30th	48	29th	68·6	50·6	59·0	- 3·5	3	0·85	22	—	8·7	+ 2·0	56	0	48	61·8	-0·6	60·3	+1·7	Margate.
p Salisbury (Wilton)	180	71	29, 30	43	29th	67·0	47·9	56·8	- 5·1	3	0·50	13	0	8·9	•	•	0	39	61·9	-1·1	58·5	-0·8	Wisley.
a Tunbridge Wells	354	71	30th	45	29th	68·1	49·3	58·1	- 2·7	3	0·36	9	- 4	•	•	•	0	44	62·4	•	58·5	•	Salisbury.
														8·7	+ 2·0	56	0	36	60·9	-2·9	58·9	•	Tunbridge Wells.
a Dungeness	21	66	29, 30	48	29, 30	64·7	52·9	58·4	- 2·9	2	0·37	9	- 1	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings ..	178	67	30th	48	29th	65·1	52·7	58·5	- 2·7	4	0·27	7	- 6	10·1	+ 2·4	66	0	45	64·0	•	59·9	•	Hastings.
p Southampton ..	64	69	29th	48	29th	67·1	51·0	58·5	- 4·5	3	0·33	9	- 5	8·8	+ 1·6	56	0	41	•	•	•	•	Southampton.
a Ventnor ..	59	66	30th	52	25th	64·9	53·7	58·9	- 3·3	3	0·41	10	- 2	10·5	+ 3·4	68	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	71	31th	50	29, 30	68·9	51·6	59·7	- 2·3	3	0·56	14	+ 1	8·2	+ 1·5	*53*	0	40	61·0	-1·5	57·6	-0·2	Kew.
a Westminster	*27*	*71*	*30, 31*	*49*	*29, 30*	*69·4*	*51·8*	*60·0*	- *2·2*	*4*	*0·80*	*20*	+ *7*	*8·1*	+ *2·3*	*52*	?	?	•	•	•	•	*Westminster.*
a Greenwich	*155*	*75*	*31st*	*49*	*29th*	*72·1*	*50·9*	*60·8*	- *2·5*	*4*	*0·53*	*13*	0	*8·6*	+ *1·0*	*55*	0	41	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*70*	*30th*	*47*	*29th*	*66·8*	*48·9*	*57·2*	—	*4*	*1·10*	*28*	—	*8·1*	—	*52*	0	32	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*75*	*30th*	*48*	*29th*	*71·9*	*51·0*	*60·7*	—	*4*	*0·72*	*18*	—	*6·8*	—	*44*	0	46	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria ..	250	66	30, 31	47	26, 30	63·9	48·6	55·7	- 1·1	3	0·55	14	- 9	9·0	—	56	0	37	59·1	•	54·2	•	Hoylake.
p Newton Rigg ..	559	69	30th	41	26, 30	65·1	44·6	54·1	- 2·7	4	0·25	6	- 12	9·8	+ 4·3	61	0	33	59·0	-1·0	55·0	-0·6	Aspatria.
p Stonyhurst	375	68	31st	45	26th	63·7	48·9	55·8	- 2·3	3	0·45	12	- 12	7·2	+ 1·7	45	•	•	•	•	•	•	Newton Rigg.
p Blackpool	66	67	31st	47	26, 31	64·1	50·4	56·8	- 2·4	4	0·26	7	- 10	9·7	+ 3·9	61	0	39	61·9	•	56·9	•	Stonyhurst.
a Southport	*37*	*67*	*31st*	*49*	*26th*	*63·0*	*51·9*	*57·1*	- *2·1*	*3*	*1·00*	*25*	+ *8*	*9·3*	—	*58*	0	43	63·5	-0·3	60·7	0·0	Blackpool.
a Liverpool (Bidston) ..	188	68	31st	50	28th	64·3	51·7	57·6	- 2·3	4	0·53	13	- 3	*8·9*	—	*56*	•	•	•	•	•	•	*Southport.*
a Hawarden Bridge	*22*	*67*	*31st*	*41*	*30, 31*	*64·1*	*48·3*	*55·7*	- *4·5*	*4*	*0·77*	*20*	+ *7*	*7·2*	—	*45*	0	43	60·8	0·0	59·3	+1·5	*Liverpool.*
p Manchester (Whit. Pk.)	125	70	31st	48	26th	66·0	50·0	57·4	- 2·3	3	1·60	41	+ 26	*6·9*	+ *1·0*	*43*	•	•	•	•	•	•	*Manchester (City)*
																							„ *(Whit. Park)*
b NORTH WALES.																							
p Llandudno ..	71	70	30th	48	27th	65·7	50·9	57·8	- 2·1	5	0·97	25	+ 11	7·3	+ 1·5	46	•	•	•	•	•	•	Llandudno.
a Holyhead	15	64	29th	51	28th	61·9	52·7	47·0	- 1·5	4	0·39	10	- 5	*7·0*	—	*44*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed ..	*148*	*66*	*25, 27, 30*	*45*	*25, 27*	*65·3*	*47·7*	*55·9*	- *3·2*	*5*	*0·52*	*13*	—	*5·5*	—	*35*	•	•	56·0	-2·3	54·0	-0·5	*Bettws-y-Coed.*
														8·0	—	38	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean.	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference (from average).	Earth 4 ft. Mean.	Earth 4 ft. Difference (from average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														6·1	—	39	*	*	*	*	*	*	Aberystwyth.
a Llangammarch Wells	550	68	30th	40	26th	63·4	46·0	54·1	− 4·0	5	1·65	42	—	5·4	—	34	0	35	58·3	+0·2	54·2	0·0	Llangammarch.
a Pembroke	149	69	25th	53	25th	61·0	54·9	57·7	− 0·7	4	0·55	14	− 1	7·5	+ 1·0	48	*	*	*	*	*	*	Pembroke.
p Cardiff	202	67	30th	47	25th	64·6	50·1	56·9	− 4·1	5	0·59	15	− 5	*8·9*	—	*57*	0	44	60·3	−0·3	57·9	−0·5	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	68	29, 30	49	25th	65·6	52·1	58·4	− 3·5	4	0·89	23	+ 6	*8·3*	—	*53*	0	49	*	*	*	*	*Clifton.*
a Shaftesbury	722	68	30, 31	46	28, 29	65·4	47·4	55·8	− 4·0	4	0·80	20	+ 5	*	*	*	*	*	61·1	*	58·0	*	Shaftesbury.
a Arlington	613	65	29, 30	48	28th	63·1	49·1	55·6	− 2·7	5	0·75	19	+ 5	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*64*	*26, 29*	*48*	*27th*	*62·4*	*51·7*	*56·7*	− *3·7*	*4*	*0·36*	*9*	− *4*	9·6	+ 2·8	62	0	44	62·5	*	58·6	*	Newquay.
a Cullompton	202	70	29th	44	28th	67·1	48·1	56·9	− 3·6	4	0·61	16	− 1	6·5	+ 0·5	42	0	41	60·2	*	*	*	Cullompton.
a Portland Bill	19	62	26, 30	54	26th	61·1	55·0	57·8	− 2·7	3	0·18	5	− 15	*10·0*	—	*65*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	68	30th	48	28th	64·7	51·9	57·9	− 3·3	4	0·28	7	− 10	8·5	+ 1·8	55	0	44	61·1	−4·8	58·0	*	Plymouth.
a Falmouth	167	67	30th	50	25, 27, 30	64·4	51·0	57·2	− 3·0	6	1·00	25	+ 8	9·2	+ 1·9	60	0	46	63·1	*	60·6	*	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	63	29th	46	27th	60·6	50·7	55·3	− 1·1	4	0·44	11	− 6	*8·3*	—	*52*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	63	30th	45	27th	60·1	50·3	54·9	− 2·8	5	0·46	12	− 7	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	65	29, 30	39	25, 26	62·7	43·7	52·5	− 4·4	6	1·67	42	+ 22	4·1	0·0	26	0	35	59·0	*	56·0	*	Markree Castle.
a Birr Castle	175	68	30th	45	25th	63·3	48·9	55·6	− 3·0	7	0·94	24	+ 6	*5·9*	+ *1·5*	*37*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	67	29th	41	27th	64·0	47·0	54·9	− 3·0	7	0·58	15	− 4	4·4	0·0	28	0	35	59·5	−2·1	56·3	−1·3	Armagh.
a Donaghadee	101	63	26, 28–30	48	25th	62·1	49·7	55·5	− 2·3	2	0·22	6	− 12	*	*	*	*	*	*	*	*	*	*
10. IRELAND, S.																							Trinity Coll.
														5·0	− 0·3	31	0	38	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	66	30th	46	27th	62·1	50·0	55·6	− 4·7	6	1·52	39	+ 24	*	*	*	0	42	*	*	*	*	Dublin City.
a Kilkenny	212	68	29th	40	25th	63·7	46·0	54·2	− 4·4	7	1·63	41	+ 24	*	*	*	*	*	*	*	*	*	*
a Waterford	30	67	29th	44	26, 27	63·7	48·7	55·7	− 4·0	5	2·12	54	+ 34	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*66*	*28, 29, 30*	*41*	*25th*	*62·6*	*47·1*	*54·3*	—	*7*	*1·72*	*44*	—	*6·3*	—	*40*	0	36	*	*	*	*	*Seskin.*
b, West .. { *a* Birr Castle	175	68	30th	45	25th	63·3	48·9	55·6	− 3·0	7	0·94	24	+ 6	5·9	+ 1·5	37	*	*	*	*	*	*	Birr Castle.
a Foynes	50	67	30th	47	27th	63·4	50·9	56·7	− 2·1	6	1·07	27	+ 8	*	*	*	*	*	*	*	*	*	*
a Cahir	198	69	25, 30	42	25th	65·1	46·3	55·1	− 3·8	7	2·42	61	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	71	30th	46	25th	66·7	50·6	58·1	− 0·4	7	0·93	24	+ 3	*	*	*	*	*	*	*	*	*	*
a Valencia	30	65	30, 31	49	25th	63·0	52·7	57·5	− 1·2	5	1·93	49	+ 25	7·9	+ 3·0	50	*	*	*	*	*	*	Valeucia.
a Roche's Point	32	66	28th	47	25th	61·7	50·9	55·9	− 3·5	7	2·21	56	+ 38	6·0	—	38	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	65	29th	52	27th	62·6	53·1	57·5	− 3·2	6	0·72	18	+ 4	8·6	+ 1·5	56	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	67	31st	51	30th	65·4	54·3	59·5	− 3·0	3	0·47	12	− 1	8·5	+ 0·5	56	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	67	29, 30	51	29th	65·0	53·4	58·8	− 2·5	3	0·88	22	+ 9	9·1	+ 0·8	59	0	42	62·4	−1·4	60·5	0·0	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, July 31st, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
1. SCOTLAND, E.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.		m/s. d. h. m.
Dyce	75	‡15**	—	—	—	—	—	92	76	0	SSE. 5	26th 16h.	9 29th 9 . 20
Aberdeen*	105	37 ‖ 52 ‖	—	—	—	—	10	93	65	0	NW. by W. 7	30th 9h.	10 30th 8 . 46
Edinburgh	39	31	—	—	—	—	10	98	60	0	W. by S. 7	28th 14h.	13 28th 12 . 8
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	—	—	22	66	80	0	WNW. 8	28th 17h.	15 28th 13 . 32
Paisley (Coats Obs.)	81	52	—	—	—	—	8	98	60	2	NW. by N. 6	28th 15h.	14 28th 16 . 22
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	—	40	128	0	W. 4	28th 14h.	10 26th 14 . 13
South Shields ..	61	12	—	—	—	—	17	67	84	0	W. by N. 8	28th 16h.	17 28th 11 . 12
Spurn Head	40	‡	—	—	—	—	30	55	76	7	WNW. 10	28th 15h.	15 28th 14 . 40
3. ENGLAND, E.													
Gorleston	42	‡	—	—	—	—	17	124	27	0	— 9	25th 17h.	12 28th 12 . 37
Shoeburyness ..	90	‡	—	—	—	—	48	115	5	0	— 11	27th 18h.	17 25th 14 . 0
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	30	89	49	0	SW. 8	27th 14h.	14 25th 13 . 35
5. ENGLAND, S.E.													
Dover	40	‡	—	—	28th	4	63	74	27	0	— 12	28th 15h.	17 28th 14 . 48
Warlingham ..	33	‡	—	—	—	—	27	123	18	0	— 8	27th 15h.	13 27th 17 . 0
Brighton	53	6	—	—	—	—	29	20	0	119	— 10	27th 23h.	15 27th 21 . 10
Kew†	65	6 ‖ 22 ‖	—	—	—	—	13	107	48	0	SW. 8	27th 16h.	14 27th 15 . 37
South Kensington ..	92	30	—	—	—	—	6	104	58	0	S. by W. 7	27th 16h.	14 27th 16 . 25
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	—	45	123	0	W. 8	28th 11h.	13 28th 14 . 52
Southport	62	48	—	—	28th	16	32	105	15	0	W. 12	28th 15h.	16 28th 14 . 37
Holyhead*	40	‡	—	—	—	—	60	99	9	0	NW. by W. 10	28th 6h.	14 26th 19 . 20
8. ENGLAND, S.W.													
Pendennis Castle§ .	65	24	—	—	26, 27	13	54	82	19	0	WSW. 14	27th 14h.	20 27th 15 . 52
Plymouth	88	2	27th	4	25 to 31	79	15	7	63	0	— 17	27th 17h.	23 27th 16 . 33
10. IRELAND, S.													
Quilty	40	‡	—	—	27, 31	28	101	35	4	0	— 16	31st 8h.	23 31st 8 . 53
Weaver Pt.	30	‡	—	—	—	—	30	58	41	39	— 9	27th 13h.	16 27th 13 . 8
11. ENGLISH CHANNEL.													
Scilly*	32 19	‡	—	—	27th	4	44	90	30	0	W. 12	27th 17h.	19 27th 16 . 35

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTIETH WEEK—July 25th to July 31st, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	72	41	61·1	47·6	53·9	− 1·2	83	− 9	0	0	5	+ 1	0·76	19	− 1	4·9	+1·0	30	1011
Eastern.																			
1. SCOTLAND, EAST ...	69	34	62·4	45·2	53·2	− 3·6	78	− 26	0	0	5	+ 1	0·82	21	+ 4	6·0	+1·0	37	1011
2. ENGLAND, N.E.	72	41	65·9	48·0	56·3	− 2·4	100	− 17	0	0	4	0	0·42	11	− 6	8·1	+2·5	50	1012
3. ENGLAND, EAST ...	73	45	67·6	50·5	58·4	− 2·3	115	− 16	0	0	4	0	0·61	15	+ 1	8·0	+1·8	51	1013
4. MIDLAND COUNTIES ...	74	42	66·6	47·5	56·4	− 3·6	101	− 25	0	0	4	0	0·53	14	− 2	7·7	+2·2	49	1014
5. ENGLAND, S.E.	71	40	66·8	50·8	58·3	− 3·3	114	− 23	0	0	3	0	0·45	11	− 3	9·1	+2·7	58	1015
Western.																			
6. SCOTLAND, WEST ...	69	40	64·2	47·1	55·1	− 2·3	92	− 16	0	0	3	− 1	0·34	9	− 11	8·2	+2·8	51	1011
7. ENGLAND, N.W.	70	41	64·3	49·7	56·5	− 2·5	102	− 17	0	0	4	0	0·63	16	− 4	8·2	+2·7	51	1012
8. ENGLAND, S.W.	70	40	64·0	50·6	56·8	− 3·2	104	− 22	0	0	4	+ 1	0·73	19	0	7·5	+1·6	38	1014
9. IRELAND, NORTH ...	68	39	62·1	48·4	54·8	− 2·7	90	− 18	0	0	5	+ 1	0·72	18	− 2	4·3	0·0	27	1011
10. IRELAND, SOUTH ...	71	40	63·6	49·4	56·0	− 3·2	98	− 23	0	0	6	+ 3	1·64	42	+ 23	6·2	+1·4	39	1012
11. ENGLISH CHANNEL ...	67	51	64·3	53·6	58·6	− 3·0	116	− 21	0	0	4	+ 1	0·69	17	+ 3	8·7	+1·3	57	1016

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 9 Weeks, May 30th to July 31st, 1915.

0. SCOTLAND, NORTH ...	78	34	60·2	47·0	53·1	*	701	− 25	0	− 4	34	− 2	4·81	122	− 38	5·3	+0·6	30	1013
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·2	46·1	54·1	*	766	− 54	3	0	31	− 1	5·65	144	+ 10	5·9	+0·2	35	1013
2. ENGLAND, N.E.	85	31	64·8	48·9	56·3	*	898	− 17	0	0	25	− 3	4·86	125	+ 16	6·4	+0·1	39	1014
3. ENGLAND, EAST ...	90	31	66·8	50·6	58·2	*	1017	− 19	0	0	27	+ 1	5·61	143	+ 32	6·9	0·0	42	1014
4. MIDLAND COUNTIES ...	87	31	67·1	48·2	57·0	*	946	− 72	0	− 1	25	− 2	5·94	151	+ 34	6·3	+0·1	38	1015
5. ENGLAND, S.E.	88	29	66·3	50·8	58·1	*	1013	− 76	0	0	21	− 3	4·42	112	+ 6	6·8	−0·2	43	1014
Western.																			
6. SCOTLAND, WEST ...	76	30	63·7	48·1	55·4	*	844	− 36	0	− 1	30	− 2	5·53	141	− 27	6·3	+0·2	38	1014
7. ENGLAND, N.W.	77	32	64·2	49·7	56·5	*	912	− 47	0	0	26	− 4	4·97	129	− 6	6·6	+0·3	40	1014
8. ENGLAND, S.W.	79	28	64·3	50·3	56·8	*	934	− 80	0	0	28	− 1	6·75	172	+ 39	6·3	−0·4	39	1015
9. IRELAND, NORTH ...	75	34	62·2	49·0	55·2	*	831	− 54	0	0	40	+ 4	6·27	159	+ 8	5·4	+0·2	33	1014
10. IRELAND, SOUTH ...	78	34	64·3	50·6	56·9	*	939	− 43	0	0	38	+ 7	7·03	179	+ 35	5·6	−0·1	34	1015
11. ENGLISH CHANNEL ...	81	43	64·0	53·5	58·4	*	1030	− 53	0	0	22	− 7	4·69	119	+ 13	7·1	−0·9	45	1016

THE YEAR.—Aggregates, &c., for the Period of 30 Weeks, January 3rd to July 31st, 1915.

0. SCOTLAND, NORTH ...	80	12	50·8	38·9	44·6	*	1063	− 51	503	− 54	132	− 4	25·23	640	− 35	3·8	+0·2	28	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	52·2	37·6	44·6	*	1171	−113	630	+ 10	113	+ 1	16·48	419	+ 12	4·3	+0·1	33	1011
2. ENGLAND, N.E.	85	20	53·5	40·3	46·6	*	1391	− 3	403	− 72	101	− 1	13·99	355	+ 40	4·7	+0·2	36	1012
3. ENGLAND, EAST ...	90	18	54·8	41·3	47·8	*	1608	− 31	381	−140	106	+ 7	15·74	402	+ 92	4·9	+0·1	37	1012
4. MIDLAND COUNTIES ...	87	19	55·6	39·7	47·3	*	1572	− 77	451	− 82	95	− 3	16·49	419	+ 69	4·5	+0·2	35	1013
5. ENGLAND, S.E.	88	15	55·5	42·1	48·5	*	1698	− 63	318	− 63	87	− 6	17·67	452	+115	4·9	+0·1	38	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	53·4	39·9	46·4	*	1342	− 54	434	+ 9	112	− 6	21·45	545	− 60	4·8	+0·5	37	1012
7. ENGLAND, N.W.	77	21	53·7	41·3	47·2	*	1444	− 57	344	− 42	100	− 8	18·19	464	+ 31	5·0	+0·6	38	1012
8. ENGLAND, S.W.	79	17	54·7	42·6	48·2	*	1604	− 86	298	− 3	105	− 1	22·37	568	+ 88	4·7	−0·1	36	1013
9. IRELAND, NORTH ...	75	20	53·1	41·0	46·9	*	1375	− 93	352	+ 7	127	− 1	18·49	472	− 22	4·2	+0·2	32	1011
10. IRELAND, SOUTH ...	78	21	55·1	42·6	48·6	*	1656	− 58	284	+ 25	125	+11	21·39	548	+ 25	4·5	0·0	34	1013
11. ENGLISH CHANNEL ...	81	27	55·2	45·5	50·2	*	1835	− 72	120	+ 11	104	− 9	17·82	449	+ 53	5·2	−0·5	40	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., August 4th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 31. THIRTY-FIRST WEEK, SUNDAY, AUGUST 1ST TO SATURDAY, AUGUST 7TH, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The weather was again very changeable, especially in the earlier half of the week, when thunderstorms were experienced over a large portion of the country. The accompanying rainfall was in some instances very heavy. On August 2nd a fall of 32 mm. was registered at Shrewsbury, on the 3rd 24 mm, at Rothamsted, and on the 4th 25 mm. at Leith, 27 mm. at Dover and 31 mm. at Edinburgh. Unaccompanied by thunder a fall of 29 mm. was recorded at Aberdeen on August 1st, while on the following day the measurements amounted to 27 mm. at Newton Rigg, 45 mm. at Great Malvern and to as much as 62 mm. at Cheltenham. Owing mainly to heavy thunder showers the total rainfall for the week was in excess of the normal in all districts excepting Scotland North and West and Ireland North. The mean temperature was below the average in most of the western districts but above it in nearly all other parts of the kingdom. In most of the English districts the thermometer at the beginning or end of the week rose slightly above 75° but in Scotland East and Ireland North it did not reach 70°. Bright sunshine was very deficient, especially in the western districts. The mean daily duration ranged from about 5 hours in England East and the English Channel to only 2 hours in Scotland East and England North-West.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate
	Sunshine ...	Moderate	Very scanty	Scanty	Moderate	Scanty	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty

THE SEASON.

SUMMER. 10 weeks from May 30th, 1915.	Warmth ...	3, 4, 3	1, 5, 4	2, 4, 4	2, 3, 5	1, 5, 4	1, 3, 6	2, 4, 4	1, 6, 3	1, 4, 5	1, 7, 2	2, 5, 3	1, 5, 4
	Rainfall ...	1, 5, 4	4, 4, 2	4, 3, 3	5, 2, 3	5, 2, 3	4, 3, 3	2, 5, 3	3, 4, 3	5, 2, 3	3, 5, 2	4, 4, 2	3, 4, 3
	Sunshine ...	3, 5, 2	3, 1, 6	3, 2, 5	5, 3, 2	4, 1, 5	2, 4, 4	2, 3, 5	3, 4, 3	3, 4, 3	1, 6, 3	2, 5, 3	1, 4, 5

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 5, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, August 7th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
SCOTLAND, N.	°	°	°	°	IRELAND, S.W.	°	°	°	°
Lerwick	—	—	—	—	Cleggan	60	56	58·5	+1·0
Wick	51	50	50·3	-2·4	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	53	51	52·3	-2·3
Ballantrae	60	57	58·9	+2·9	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	63	60	61·5	-0·4
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	60	59	59·3	-1·6	Eastbourne‡	63	62	62·7	-1·1
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	60	57	58·6	-0·1	Port Erin	58	55	55·9	-0·4

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5763—19.) Wt. 160—610. 450. 8/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.			Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°			in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
p Baltasound	*31*																					*Baltasound.*
a, Islands.. *a Lerwick*	54	61	6th	50	1,2	58·6	51·4	54·8	+ 2·5	1	0·04	1	—	1·6	- 2·6	10	•	•	•	•	•	•	Deerness.
a Stornoway	51	62	2,4–7	50	2nd	61·0	52·0	56·2	+ 2·1	2	0·52	13	- 8	4·3	- 0·2	26	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*67*	*2nd*	*51*	*1st*	*61·7*	*53·3*	*57·3*	*+ 2·8*	*3*	*0·20*	*5*	—	*4·1*	—	*26*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	62	7th	47	4th	57·0	50·9	53·8	- 0·6	2	0·17	4	- 13	•	•	•	•	•	•	•	•	•	
b, Mainland. *p* Strathpeffer	200	68	5,7	44	1st	64·6	52·6	58·2	+ 2·5	4	0·74	19	+ 4	2·9	- 1·1	18	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500	68	1st	45	1st	63·2	49·8	56·1	+ 2·3	4	1·56	40	+ 3	•	•	•	•	•	•	•	•	•	
p Fort Augustus..	68	67	5th	47	1, 7	62·4	52·1	56·9	+ 1·0	6	1·13	29	+ 10	2·6	- 0·5	16	•	•	•	•	•	•	Fort Augustus.
p Fort William ..	171	71	1st	44	7th	68·3	50·6	58·9	+ 2·5	4	0·64	16	- 17	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																						
p Gordon Castle ..	101	67	5th	45	1st	63·4	51·0	56·8	+ 0·3	3	1·43	36	+ 16	1·5	—	9	0	35	58·8	-0·2	54·8	-0·3	Crathes.
a Nairn	82	67	7th	43	1st	61·6	50·6	55·8	- 0·6	5	0·31	8	- 6	*3·1*	—	*19*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen	46	64	4, 5	48	1st	60·9	52·3	56·3	+ 0·1	5	2·02	51	+ 35	3·0	—	19	•	•	•	•	•	•	Nairn.
a Balmoral	930	69	7th	44	4th	63·1	48·9	55·6	+ 1·9	6	1·38	35	+ 16	2·6	- 2·5	16	•	•	•	•	53·3	-0·4	Aberdeen.
p Crieff	432	66	3, 7	46	7th	63·3	50·7	56·6	- 1·0	6	1·12	28	+ 7	•	•	•	0	41	•	•	•	•	Balmoral.
a Leith	18	64	4, 7	52	6, 7	62·4	53·7	57·8	- 0·4	4	2·17	55	+ 39	1·4	—	9	•	•	•	•	•	•	Balruddery.
a West Linton	769	66	2nd	44	1st	61·9	49·9	55·5	+ 1·0	6	1·14	29	—	•	•	•	•	•	•	•	•	•	
p Marchmont	498	69	2nd	47	1st	63·6	50·7	56·8	+ 0·7	5	0·90	23	+ 3	*1·7*	—	*11*	0	41	•	•	•	•	*West Linton.*
a Edinburgh	*441*	*63*	*7th*	*51*	*6, 7*	*60·7*	*52·3*	*56·3*	—	*4*	*2·43*	*62*	—	2·4	- 2·7	15	0	42	•	•	•	•	Marchmont.
														1·3	—	8	0	48	•	•	•	•	Edinburgh.
6. *a*. SCOTLAND, W.																						
a Poltalloch	132	71	2nd	47	1st	65·0	51·6	57·9	+ 0·6	2	0·27	7	- 18	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	68	1st	51	6, 7	64·3	53·1	58·4	+ 1·5	3	0·50	13	- 8	2·0	- 2·4	13	0	41	•	•	•	•	Glasgow.
p Rothesay‡	170	67	2, 3	50	6, 7	63·4	52·0	57·4	+ 0·2	5	1·11	28	+ 2	*3·1*	—	*19*	0	43	60·7	•	56·1	+1·2	*Rothesay.*
a Kilmarnock	90	68	2, 3	48	1st	64·6	51·6	57·7	+ 0·3	5	0·65	17	—	*2·9*	—	*18*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	69	2nd	50	6, 7	65·3	52·0	58·3	+ 1·1	3	0·39	10	- 11	•	•	•	0	45	•	•	•	•	
a Dumfries	160	69	2nd	50	7th	64·4	53·4	58·6	+ 0·4	7	0·91	23	+ 3	*2·3*	—	*15*	0	44	61·2	•	58·2	•	*Dumfries.*
Eskdalemuir	*799*	*66*	*2nd*	*48*	*1st*	*62·9*	*50·4*	*56·3*	—	*6*	*0·93*	*25*	—	*3·2*	—	*20*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	68	3rd	50	1, 6, 7	65·0	52·1	58·2	+ 1·2	5	1·77	45	+ 21	•	•	•	•	•	•	•	•	•	
b. I. OF MAN. *p* Douglas	277	67	2, 3	49	7th	62·7	52·7	57·4	+ 0·4	3	0·65	17	- 4	4·4	- 1·6	28	0	45	•	•	•	•	Douglas.
2. ENGLAND, N.E.																						
a Alnwick Castle	210	66	2nd	47	1, 7	63·7	49·3	56·1	- 0·9	6	0·55	14	- 3	2·8	—	18	0	39	58·5	-0·5	55·3	-0·4	Cockle Park.
a Tynemouth	71	64	6, 7	50	3rd	62·6	53·3	57·7	0·0	4	0·59	15	0	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham ..	336	67	2nd	48	7th	64·3	51·6	57·6	- 0·6	6	0·61	15	- 1	2·0	- 3·1	13	0	45	•	•	•	•	Durham.
a, North .. *p* Rounton ..	249	66	1, 4–6	46	5th	65·6	50·9	57·8	+ 0·2	5	0·53	14	- 3	•	•	•	0	41	59·8	•	•	•	Rounton.
a West Witton	*605*	*70*	*2nd*	*44*	*3rd*	*65·7*	*49·4*	*57·1*	—	*7*	*1·53*	*39*	—	•	•	•	0	42	59·1	•	53·9	•	*West Witton.*
p Scarborough	100	69	7th	51	5, 7	64·6	53·4	58·7	+ 0·2	5	0·65	17	+ 2	3·6	—	23	•	•	•	•	58·0†	•	Scarborough.
p York	58	70	2, 6	50	7th	67·9	53·1	60·1	+ 0·7	6	0·78	20	+ 5	2·8	- 2·6	18	•	•	60·8	+1·0	57·7	+1·2	York.
b, South .. *a* Spurn Head	26	72	6th	48	4th	66·9	53·6	59·9	+ 0·5	5	0·63	16	+ 5	*4·9*	—	*31*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln ..	58	76	1st	49	7th	68·7	54·1	61·0	+ 0·9	7	1·24	31	+ 16	•	•	•	•	•	61·9	-0·1	58·1	+1·0	Lincoln.
a Fulbeck ..	180	74	1st	47	7th	68·7	53·0	60·4	+ 0·3	7	1·24	31	+ 17	3·4	—	22	0	46	61·8	-2·6	57·1	-1·2	Rauceby.
														5·2	—	34	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																						
p Cromer ..	196	72	1, 6	53	7th	67·6	55·6	61·2	+ 1·0	4	0·66	17	—	5·1	•	33	•	•	•	•	•	•	Cromer.
p Little Massingham	280	76	1st	48	7th	69·6	53·7	61·2	+ 1·0	7	0·58	15	- 2	4·5	- 1·7	29	0	46	•	•	•	•	Lit. Massingham.
a, North .. *a* Yarmouth	17	72	6th	52	7th	67·3	57·3	62·0	+ 1·8	7	1·10	28	+ 14	6·5	—	42	•	•	64·0	-2·4	59·7	-1·9	Yarmouth.
a Norwich	93	76	1st	52	7th	70·3	55·9	62·7	+ 2·3	5	0·97	25	—	*5·6*	—	*36*	0	47	64·1	•	•	•	*Norwich.*
a Geldeston	37	73	6th	52	5, 7	70·3	55·9	62·7	+ 2·8	7	0·52	13	0	4·9	- 1·8	32	•	•	•	•	•	•	Geldeston.
p Cambridge	41	76	1st	50	5, 7	69·7	53·0	60·9	- 0·1	5	1·50	38	+ 25	4·0	- 2·5	26	0	47	63·9	0·0	60·9	+0·1	Cambridge.
b, South .. *a* Clacton-on-Sea	54	72	6th	54	5th	67·7	57·1	62·1	+ 0·8	5	1·26	32	—	6·2	—	41	0	51	63·1	+1·8	59·7	-0·4	Clacton.
a Rothamsted	424	73	1st	49	5th	68·1	53·7	60·5	+ 0·6	6	1·71	43	+ 29	4·3	- 2·5	28	0	41	61·2	•	•	•	Rothamsted.
p Tottenham	51	75	1st	52	5th	69·7	56·1	62·5	+ 0·3	4	1·19	30	—	4·3	—	28	0	48	•	•	60·8	-0·2	Tottenham.
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	67	4th	48	5, 7	65·0	50·9	57·5	- 0·1	6	0·56	14	- 1	2·6	—	17	0	43	58·4	+0·7	56·4	+0·7	Harrogate.
p Buxton	*987*	*68*	*1st*	*47*	*2, 5*	*62·9*	*49·9*	*56·0*	*- 0·7*	*6*	*2·05*	*52*	*+ 28*	*2·3*	—	*14*	0	38	58·3	-1·6	55·5	+1·3	*Buxton.*
a Bawtry	65	73	6th	49	1, 2	68·4	52·4	59·9	+ 0·2	7	0·85	22	+ 8	3·8	—	24	0	45	59·3	-0·9	55·2	-0·1	Sheffield.
a Nottingham	82	74	1st	48	7th	68·7	51·9	59·8	- 0·3	6	1·39	35	+ 21	3·1	- 2·0	20	0	42	60·2	•	57·0	•	Worksop.
b, East .. *p* Birmingham, Edgbsn.	535	71	1, 6	50	5, 7	66·6	53·4	59·6	+ 0·4	7	0·80	20	+ 6	2·8	—	18	0	42	61·0	-1·3	58·2	-0·4	Nottingham.
a Raunds	203	78	1st	47	7th	70·7	52·0	60·8	- 0·1	7	1·20	31	—	2·7	—	18	0	37	56·2	-1·1	53·1	-0·1	Birmingham.
p Oxford	208	72	7th	53	4, 5	68·6	56·0	61·9	+ 0·7	6	0·81	21	+ 8	*3·9*	—	*25*	0	42	63·1	•	58·0	•	*Raunds.*
														3·4	- 2·9	22	0	49	•	•	•	•	Oxford.
a Cheadle	646	69	6th	49	7th	64·4	53·3	58·5	+ 0·8	6	1·84	47	+ 29	•	•	•	0	47	•	•	•	•	Cheadle.
p Shrewsbury	191	72	1st	50	7th	67·7	53·6	60·2	+ 1·0	4	1·55	39	—	•	•	•	0	46	•	•	•	•	Shrewsbury.
c, West .. *a* Hereford§	291	71	1, 6	46	5th	67·0	53·0	59·6	- 0·4	6	2·48	63	+ 50	*1·9*	—	*12*	0	41	61·4	•	59·7	•	*Malvern.*§
a Cirencester	446													•	•	•	•	•	•	•	•	•	Cirencester.
a Bath	66	73	7th	46	5th	67·7	55·0	61·0	+ 0·6	6	0·94	24	+ 9	3·1	—	20	•	•	•	•	•	•	Bath.
5. ENGLAND, S.E.																						
a Marlborough	424	72	7th	43	5th	66·4	52·9	59·3	- 0·1	7	0·93	24	+ 10	4·2	—	28	0	46	64·4	-0·6	60·3	0·0	Worthing.
a Margate ..	53	75	1st	56	5th	70·3	58·0	63·8	+ 1·8	3	0·25	6	- 5	2·3	- 3·7	15	0	36	61·2	•	57·5	•	Marlborough.
a Wisley, Surrey	150	72	1, 6, 7	52	2nd	69·3	55·6	62·6	+ 0·1	3	0·88	22	—	5·1	- 1·5	33	0	54	64·1	+0·9	60·9	+1·7	Margate.
p Salisbury (Wilton)	180	75	7th	49	5th	67·9	52·9	60·0	- 1·3	5	1·20	30	+ 17	4·0	—	26	0	45	63·1	-0·5	58·9	-1·1	Wisley.
a Tunbridge Wells	354	72	1st	50	5th	68·4	55·0	61·3	+ 1·0	5	0·75	19	+ 6	•	•	•	0	47	63·4	•	•	•	Salisbury.
														3·8	- 2·8	25	0	44	62·6	-2·2	59·7	•	Tunbridge Wells.
a Dungeness	21	69	2, 3	56	4th	67·3	58·1	62·4	+ 1·3	4	0·11	3	- 8	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings..	178	68	1st	55	4, 5	66·4	57·4	61·6	+ 0·3	5	0·52	13	0	4·4	- 3·1	29	0	47	64·9	•	60·5	•	Hastings.
p Southampton	64	73	7th	54	5th	69·0	57·4	62·9	+ 0·4	6	0·45	12	- 2	3·0	- 4·1	20	0	48	•	•	•	•	Southampton.
a Ventnor	59	67	1, 3	54	5th	65·3	57·3	61·1	- 1·2	5	0·59	15	+ 3	3·3	- 3·6	22	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	73	1, 7	53	*5th*	70·0	56·3	62·7	+ 1·2	5	0·94	24	+ 11	4·0	- 2·5	*26*	0	44	62·4	-0·6	58·1	-0·3	Kew.
a Westminster	*27*	*74*	*1st*	*50*	*5th*	*69·9*	*56·8*	*63·0*	*+ 1·2*	*5*	*1·26*	*32*	*+ 19*	*4·5*	*- 1·2*	*29*	0	48	•	•	•	•	*Westminster.*
a Greenwich	*155*	*77*	*1st*	*51*	*5th*	*71·9*	*55·3*	*63·1*	*0·0*	*6*	*1·34*	*34*	*+ 21*	*4·8*	*- 2·7*	*31*	0	44	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*73*	*1st*	*48*	*5th*	*68·1*	*53·6*	*60·4*	—	*6*	*1·24*	*31*	—	*4·3*	—	*28*	0	39	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*78*	*1st*	*51*	*5th*	*72·1*	*55·6*	*63·4*	—	*4*	*1·14*	*29*	—	*3·7*	—	*24*	0	49	•	•	•	•	*Camden Square.*
7. *a*. ENGLAND, N.W.																						
p Aspatria ..	250	69	3rd	49	7th	64·6	51·1	57·5	+ 0·8	5	1·59	41	+ 17	2·4	—	15	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	65	2nd	47	5, 7	62·7	49·7	55·8	- 0·7	5	1·55	39	+ 20	2·3	—	15	0	39	59·4	•	54·7	•	Aspatria.
p Stonyhurst	375	69	2nd	48	7th	64·1	52·6	58·0	+ 0·1	6	2·12	54	+ 29	1·1	- 4·2	7	0	40	59·3	-1·0	55·4	-0·6	Newton Rigg.
p Blackpool	68	70	1, 2	52	1st	65·0	54·7	59·5	+ 0·6	5	1·43	36	+ 17	1·6	- 3·7	10	0	44	•	•	•	•	Stonyhurst.
a Southport	*37*	*70*	*1, 2*	*51*	*7th*	*64·9*	*54·6*	*59·4*	*+ 0·4*	*5*	*1·13*	*29*	*+ 10*	3·0	- 2·7	19	0	44	61·3	•	57·3	•	Blackpool.
a Liverpool (Bidston)	188	68	1st	52	1, 7	63·7	54·1	58·6	- 0·6	5	1·46	37	+ 21	*2·8*	*- 3·2*	*18*	0	44	63·4	-0·5	61·2	+0·2	*Southport.*
a Hawarden Bridge	*22*	*71*	*2nd*	*49*	*7th*	*66·3*	*53·7*	*59·6*	*- 0·5*	*4*	*0·91*	*23*	*+ 9*	*3·0*	—	*19*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	69	2nd	48	7th	65·4	54·3	59·5	- 0·1	6	0·99	25	+ 9	2·3	—	*15*	0	42	62·0	+0·6	60·0	+1·6	*Manchester (City)*
														1·9	*- 2·8*	*12*	•	•	•	•	•	•	„ *(Whit. Park)*
***b* NORTH WALES.**																						
p Llandudno	71	69	1st	50	1, 7	64·3	53·1	58·4	- 1·1	5	1·05	27	+ 13	1·9	- 3·8	12	•	•	•	•	•	•	Llandudno.
a Holyhead	15	69	1, 2	50	7th	64·3	54·7	59·2	+ 1·0	5	0·63	16	0	*2·5*	—	*16*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*70*	*1st*	*47*	*7th*	*64·7*	*51·3*	*57·6*	*- 1·3*	*5*	*1·07*	*27*	—	*0·9*	—	*6*	•	•	57·4	-1·0	54·0	-1·0	*Bettws-y-Coed.*
														1·9	—	12	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														1·6	—	10	•	•	•	•	•	•	
a Llangammarch Wells	550	69	1st	47	5th	63·4	53·7	58·3	+ 0·7	7	2·20	56	—	1·1	—	7	0	42	58·8	+0·2	54·6	−0·5	Aberystwyth.
a Pembroke	149	66	3rd	53	1st	62·4	55·4	58·7	+ 0·2	6	0·84	21	+ 6	3·4	− 3·0	22	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	69	1st	50	5th	64·7	54·9	59·5	− 1·1	7	1·28	32	+ 10	*2·9*	—	*19*	0	46	61·4	−0·3	58·1	−0·7	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	229	71	1, 7	52	5th	67·0	56·7	61·5	− 0·1	6	0·89	23	+ 5	*3·0*	—	*20*	0	51	•	•	•	•	*Clifton.*
a Shaftesbury	722	71	7th	47	5th	65·0	51·9	58·1	− 1·4	5	0·75	19	+ 3	•	•	•	•	•	60·4	•	58·9	•	Shaftesbury.
a Arlington	613	67	1st	53	1st	63·7	55·3	59·3	+ 1·2	5	2·02	51	+ 26	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*70*	*7th*	*52*	*1, 5*	*64·1*	*56·0*	*59·8*	*− 0·9*	*3*	*0·56*	*14*	*+ 1*	3·9	− 2·9	26	0	49	62·2	•	58·9	•	Newquay.
a Cullompton	202	78	7th	48	5th	68·1	55·7	61·5	+ 1·4	3	0·87	22	+ 5	2·7	− 3·3	18	0	44	60·7	•	•	•	Cullompton.
a Portland Bill	19	64	1st	55	3rd	61·9	56·7	59·1	− 1·4	5	0·57	14	—	*4·2*	—	*28*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	68	7th	53	5th	65·4	57·1	61·0	0·0	4	0·96	24	+ 8	3·0	− 3·6	20	0	50	61·8	−4·2	58·2	•	Plymouth.
a Falmouth	167	68	7th	53	5th	64·9	56·0	60·2	0·0	5	0·80	20	+ 2	4·8	− 2·4	32	0	50	63·7	•	60·6	•	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	60	2, 5, 7	50	5, 6	59·4	52·6	55·8	− 0·6	5	0·35	9	− 10	*3·0*	—	*19*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	62	6, 7	49	4, 5	59·6	50·9	55·0	− 2·6	7	0·44	11	− 11	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	67	2nd	47	5, 7	62·6	51·0	56·5	− 0·2	6	0·83	21	− 1	2·9	− 1·2	19	0	41	59·0	•	56·0	•	Markree Castle.
a Birr Castle	175	68	1st	48	5th	64·0	52·4	57·9	− 0·3	6	0·98	25	+ 6	*1·7*	*− 2·8*	*11*	•	•	•	•	•	•	*Birr Castle.*
b, East .. { *p* Armagh	196	66	6th	47	7th	62·6	50·7	56·3	− 1·1	6	1·35	34	+ 14	1·6	− 2·8	10	0	40	59·7	−2·0	56·7	−1·3	Armagh.
a Donaghadee	101	62	3, 4	49	5, 7	59·6	51·6	55·4	− 2·3	5	0·40	10	− 8	•	•	•	•	•	•	•	•	•	•
10. IRELAND, S.														•	•	•	•	•	•	•	•	•	Trinity Coll.
														2·9	− 2·5	19	0	42	•	•	•	•	Phœnix Park.
a, East .. { *p* Dublin, City	47	65	1, 3	51	5, 7	62·9	53·6	58·0	− 1·9	6	1·02	26	+ 9	•	•	•	0	48	•	•	•	•	Dublin City.
a Kilkenny	212	70	7th	49	5th	65·7	53·4	59·2	+ 0·7	6	1·66	42	+ 24	•	•	•	•	•	•	•	•	•	•
a Waterford	30	68	6th	51	5th	65·0	54·6	59·5	+ 0·2	7	1·60	41	+ 21	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*72*	*7th*	*49*	*4, 5*	*64·3*	*52·4*	*58·0*	—	*7*	*1·31*	*33*	—	*1·7*	—	*11*	0	42	•	•	•	•	*Seskin.*
b, West .. { *a* Birr Castle	175	68	1st	48	5th	64·0	52·4	57·9	− 0·3	6	0·98	25	+ 6	1·7	− 2·8	11	•	•	•	•	•	•	Birr Castle.
a Foynes	50	69	7th	51	5th	63·9	54·0	58·7	0·0	7	1·10	28	+ 8	•	•	•	•	•	•	•	•	•	•
a Cahir	199	72	7th	48	5th	65·7	52·9	58·9	+ 0·1	7	1·01	23	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	73	7th	52	4, 5	67·1	54·7	60·5	+ 2·0	7	0·96	24	+ 2	•	•	•	•	•	•	•	•	•	•
a Valencia	30	69	5th	52	5th	64·3	55·0	59·4	+ 0·8	7	1·03	26	+ 1	2·6	− 2·3	17	•	•	•	•	•	•	Valencia.
a Roche's Point ..	32	69	7th	51	2, 5	64·1	53·6	58·5	− 0·6	6	1·73	44	+ 25	2·8	—	18	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	65	6, 7	55	1, 4, 5	63·7	55·7	59·5	− 1·2	6	0·68	17	+ 3	4·3	− 2·9	29	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	71	1st	50	5th	66·7	57·4	61·8	− 0·8	6	0·65	16	+ 3	5·4	− 2·5	36	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	70	1st	53	5th	65·7	57·0	61·1	− 0·3	4	0·43	11	− 3	4·6	− 3·6	31	0	46	63·2	−1·3	61·0	−0·1	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, August 7th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.			
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.	Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s. d. h. m.
1. SCOTLAND, E.														
Dyce	75	‡15**	—	—	—	—	—	82	63	23	N. by E.	5	2nd 23h.	12 6th 18 . 45
Aberdeen*	105	37 ‖ 52 ‖	—	—	—	—	12	109	47	0	NW.	8	6th 20h.	13 6th 20 . 22
Edinburgh	39	31	—	—	—	—	—	91	77	0	NE. by N.	5	2nd 14h.	9 2nd 13 . 56
6. SCOTLAND, W.														
Eskdalemuir ..	50	22	—	—	—	—	24	98	46	0	WNW.	8	6th 22h.	12 6th 22 . 56
Paisley (Coats Obs.)	81	52	—	—	—	—	1	70	97	0	NW. by N.	6	6th 17h.	12 2nd 12 . 50
2. ENGLAND, N.E.														
Alnwick Castle ..	70	17	—	—	—	—	—	45	122	1	N.	4	3rd 12h.	7 3rd 12 . 52
South Shields ..	61	12	—	—	—	—	—	72	94	2	N.	5	3rd 4h.	9 7th 4 . 11
Spurn Head	40	‡	—	—	—	—	38	81	49	0	SE. by E.	11	1st 17h.	15 1st 18 . 40
3. ENGLAND, E.														
Gorleston	42	‡	—	—	3rd	3	64	84	17	0	—	11	3rd 2h.	15 3rd 2 . 33
Shoeburyness ..	90	‡	—	—	2, 3	12	69	85	2	0	—	13	2nd 23h.	16 3rd 12 . 1
4. MIDLAND COUNTIES.														
Benson	84	‡	—	—	—	—	44	95	29	0	SSE.	10	2nd 16h.	15 2nd 15 . 42
5. ENGLAND, S.E.														
Dover	40	‡	—	—	2, 3	12	79	57	20	0	—	14	2nd 24h.	21 2nd 21 . 32
Warlingham ..	33	‡	—	—	—	—	39	116	13	0	—	9	2nd 14h.	18 2nd 17 . 38
Brighton	53	6	—	—	—	—	62	11	0	95	—	11	2nd 19h.	17 2nd 22 . 1
Kew†	65	6 ‖ 22 ‖	—	—	—	—	23	113	32	0	SSW.	7	2nd 15h.	19 2nd 14 . 25
South Kensington ..	92	30	—	—	—	—	1	77	38	52	S.	6	1st 13h.	11 1st 15 . 13
7. ENGLAND, N.W.														
Carnforth	56	23	—	—	—	—	1	23	141	3	WNW.	6	6th 18h.	9 6th 17 . 54
Southport	62	48	—	—	—	—	76	83	9	0	W.	9	6th 21h.	12 2nd 12 . 43
Holyhead*	40	‡	—	—	—	—	31	87	50	0	ESE.	9	1st 7h.	11 7th 17 . 0
8. ENGLAND, S.W.														
Pendennis Castle§ ..	65	24	—	—	1, 2, 7	32	74	59	3	0	WSW.	15	7th 13h.	20 7th 13 . 30
Plymouth	88	2	2nd	15	1 to 7	89	12	10	42	0	—	24	2nd 7h.	32 2nd 6 . 55
10. IRELAND, S.														
Quilty	40	‡	—	—	2, 3	5	101	57	5	0	—	12	2nd 19h.	15 2nd 18 . 52
Weaver Pt.	30	‡	—	—	—	—	—	—	—	—	—	—	— —	— — —
11. ENGLISH CHANNEL.														
Scilly*	32 19	‡	—	—	2, 3	9	80	65	14	0	WNW.	13	3rd 4h.	18 2nd 11 . 35

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTY-FIRST WEEK—August 1st to August 7th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average, (25 Years.)	Total Fall.		Difference from Average, (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	71	44	62·2	51·3	56·4	+ 1·3	101	+ 9	0	0	3	− 2	0·69	17	− 5	2·8	−0·8	17	1011
Eastern.																			
1. SCOTLAND, EAST ...	69	43	62·5	51·0	56·4	− 0·2	101	− 3	0	0	5	+ 1	1·31	33	+ 17	2·0	−2·9	13	1010
2. ENGLAND, N.E.	76	46	65·9	52·5	58·8	+ 0·1	118	+ 1	0	0	6	+ 3	0·76	19	+ 1	3·3	−2·3	21	1010
3. ENGLAND, EAST ...	76	48	68·9	55·4	61·8	+ 1·3	139	+ 9	0	0	6	+ 3	1·05	27	+ 15	5·0	−1·2	33	1010
4. MIDLAND COUNTIES ...	78	46	67·5	53·2	59·9	+ 0·1	125	+ 1	0	0	6	+ 3	1·24	32	+ 18	3·1	−2·5	20	1010
5. ENGLAND, S.E.	75	43	68·0	56·1	61·7	+ 0·2	138	+ 2	0	0	5	+ 2	0·66	17	+ 5	3·8	−2·6	25	1011
Western.																			
6. SCOTLAND, WEST ...	71	47	64·3	52·3	58·0	+ 0·8	112	+ 6	0	0	4	0	0·78	20	− 2	3·2	−2·1	20	1010
7. ENGLAND, N.W.	70	47	64·3	53·0	58·3	− 0·7	114	− 5	0	0	5	+ 2	1·35	34	+ 14	2·0	−3·4	13	1009
8. ENGLAND, S.W.	78	47	64·7	55·3	59·7	− 0·2	124	− 1	0	0	5	+ 2	1·12	28	+ 11	2·9	−3·2	19	1010
9. IRELAND, NORTH ...	68	47	61·3	51·5	56·2	− 1·4	99	− 10	0	0	6	+ 1	0·73	18	− 3	2·3	−2·0	14	1010
10. IRELAND, SOUTH ...	73	48	64·7	53·8	59·0	− 0·2	119	− 1	0	0	7	+ 3	1·23	31	+ 10	2·5	−2·4	16	1010
11. ENGLISH CHANNEL ...	71	50	65·4	56·7	60·8	− 0·9	132	− 6	0	0	5	+ 2	0·59	15	+ 2	4·8	−3·3	32	1011

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 10 Weeks, May 30th to August 7th, 1915.

0. SCOTLAND, NORTH ...	78	34	60·4	47·4	53·5	*	802	− 16	0	− 4	37	− 4	5·50	139	− 43	5·0	+0·4	29	1013
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·2	46·6	54·3	*	867	− 56	3	0	36	0	6·96	177	+ 27	5·5	−0·1	32	1013
2. ENGLAND, N.E.	85	31	64·9	49·2	56·5	*	1016	− 16	0	0	31	0	5·62	144	+ 17	6·6	+0·4	37	1014
3. ENGLAND, EAST ...	90	31	67·0	51·1	58·5	*	1156	− 10	0	0	33	+ 4	6·66	170	+ 47	6·7	−0·1	42	1014
4. MIDLAND COUNTIES ...	87	31	67·1	48·8	57·3	*	1072	− 70	0	− 1	31	+ 1	7·17	182	+ 51	5·9	−0·2	37	1014
5. ENGLAND, S.E.	88	29	66·5	51·3	58·4	*	1151	− 74	0	0	26	− 1	5·08	129	+ 11	6·5	−0·5	41	1014
Western.																			
6. SCOTLAND, WEST ...	76	30	63·8	48·5	55·7	*	956	− 30	0	− 1	34	− 2	6·31	161	− 29	6·0	0·0	36	1014
7. ENGLAND, N.W.	77	32	64·2	50·1	56·7	*	1026	− 52	0	0	31	− 2	6·32	163	+ 8	6·2	0·0	38	1014
8. ENGLAND, S.W.	79	28	64·3	50·8	57·1	*	1058	− 81	0	0	33	+ 1	7·87	200	+ 50	6·0	−0·6	37	1014
9. IRELAND, NORTH ...	75	34	62·1	49·3	55·3	*	930	− 64	0	0	46	+ 5	7·00	177	+ 5	5·1	0·0	31	1013
10. IRELAND, SOUTH ...	78	34	64·4	50·9	57·2	*	1058	− 44	0	0	45	+10	8·26	210	+ 45	5·3	−0·3	33	1014
11. ENGLISH CHANNEL ...	81	43	64·1	53·8	58·6	*	1162	− 59	0	0	27	− 5	5·28	134	+ 15	6·8	−1·2	45	1016

THE YEAR.—Aggregates, &c., for the Period of 31 Weeks, January 3rd to August 7th, 1915.

0. SCOTLAND, NORTH ...	80	12	51·1	39·3	45·0	*	1164	− 42	503	− 54	135	− 6	25·92	657	− 40	3·7	+0·1	28	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	52·5	38·1	45·0	*	1272	−115	630	+ 10	118	+ 2	17·79	452	+ 29	4·3	+0·1	32	1011
2. ENGLAND, N.E.	85	20	53·9	40·7	47·0	*	1509	− 2	403	− 72	107	+ 2	14·75	374	+ 41	4·6	0·0	35	1012
3. ENGLAND, EAST ...	90	18	55·3	41·8	48·2	*	1747	− 22	381	−140	112	+10	16·79	429	+107	4·9	0·0	37	1012
4. MIDLAND COUNTIES ...	87	19	55·9	40·2	47·7	*	1698	− 75	451	− 82	101	0	17·72	450	+ 86	4·5	+0·1	34	1013
5. ENGLAND, S.E.	88	15	55·9	42·6	49·0	*	1836	− 61	318	− 63	92	− 4	18·33	469	+120	4·7	−0·2	36	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	53·7	40·3	46·7	*	1454	− 48	434	+ 9	116	− 6	22·23	565	− 62	4·8	+0·4	36	1012
7. ENGLAND, N.W.	77	21	54·0	41·7	47·6	*	1558	− 62	344	− 42	105	− 6	19·54	498	+ 45	4·9	+0·5	37	1012
8. ENGLAND, S.W.	79	17	55·0	43·0	48·6	*	1728	− 87	298	− 3	110	+ 1	23·49	596	+ 99	4·7	−0·1	36	1013
9. IRELAND, NORTH ...	75	20	53·4	41·4	47·2	*	1474	−103	352	+ 7	133	0	19·22	490	− 25	4·1	+0·1	31	1011
10. IRELAND, SOUTH ...	78	21	55·4	43·0	48·9	*	1775	− 59	284	+ 25	132	+14	22·62	579	+ 35	4·4	−0·1	34	1013
11. ENGLISH CHANNEL ...	81	27	55·5	45·9	50·5	*	1967	− 78	120	+ 11	109	− 7	18·41	464	+ 55	5·2	−0·6	40	1014

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., August 11th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

125

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 32. THIRTY-SECOND WEEK, SUNDAY, AUGUST 8TH TO SATURDAY, AUGUST 14TH, 1915.

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I.—Remarks.

Weather was again extremely changeable. Thunderstorms were experienced on the 10th in many English districts, and throughout the remainder of the week they occurred daily in nearly all parts of the United Kingdom. In many instances the accompanying rainfall was very heavy. On the 10th a fall of 26 mm. was registered at Manchester and 28 mm. at Rounton; on the 11th, 45 mm. at Kilkenny; on the 12th, 31 mm. at Alnwick Castle; and on the 13th 27 mm. at Kew and 36 mm. at Carrick-on-Suir. Owing mainly to the heavy thunder showers the total rainfall for the week was in excess of the normal in all districts excepting England S.E. and Scotland N. and W. In Ireland N. the fall was more than twice as much as the average. The mean temperature was above the normal, the excess ranging from less than 1° in the English Channel to about 2½° in several of the English districts and in Scotland W. The highest readings were recorded mostly between the 9th and 11th, when the thermometer exceeded 75° in many parts of England and reached 79° in the Midland Counties (at Raunds). Bright sunshine was deficient in all districts except Ireland S., where the average was just reached. The mean daily duration ranged from 3·2 hrs. in Ireland N. to 5·6 hrs. in England S.W. and to 7·1 hrs. in the English Channel. Fog and mist were reported on many parts of our western and northern coasts on the 8th and 9th, and continued to prevail on the north coasts of Scotland until the close of the week.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Moderate	Heavy	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Very heavy	Heavy	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Scanty	Moderate	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty

THE SEASON.

SUMMER. 11 weeks from May 30th, 1915.	Warmth ...	4, 4, 3	2, 5, 4	3, 4, 4	3, 3, 5	2, 5, 4	2, 3, 6	3, 4, 4	2, 6, 3	2, 4, 5	2, 7, 2	3, 5, 3	2, 5, 4
	Rainfall ...	1, 6, 4	4, 5, 2	5, 3, 3	6, 2, 3	6, 2, 3	4, 4, 3	2, 6, 3	3, 5, 3	6, 2, 3	4, 5, 2	5, 4, 2	3, 5, 3
	Sunshine ...	3, 6, 2	3, 2, 6	3, 3, 5	5, 3, 3	4, 2, 5	2, 4, 5	2, 3, 6	3, 5, 3	3, 5, 3	1, 6, 4	2, 6, 3	1, 4, 6

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, August 14th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	61	58	59·5	+1·6
Wick	51	51	51·0	−2·2	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	54	52	53·0	−2·1
Ballantrae	59	56	57·9	+1·3	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	64	61	62·7	0·0
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	62	60	61·1	−0·1	Eastbourne‡	64	62	63·1	−1·0
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	60	57	58·6	−1·1	Port Erin	57	56	56·6	−0·5

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

 III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

Temperature of the Air (in Degrees Fahrenheit) and Rainfall

Districts and Names of Stations reporting Temperature of Air and Rainfall	Height above M.S.L. of ground by Rain Gauge (Ft.)	Highest (°)	Date	Lowest (°)	Date	Mean for the Week: Of Daily Max. (°)	Of Daily Min. (°)	Daily Mean (°)	Difference from Aver'ge (°)	No. of Rain-Days	Rainfall in the Week (in.)	Rainfall in the Week (mm.)	Difference from Average (mm.)
0. SCOTLAND, N.													
a, Islands .. *p Baltasound*	*31*												
a, Islands .. a Lerwick	54	61	14th	51	8, 9, 11	57·7	52·3	54·8	+ 2·6	5	0·79	20	—
a, Islands .. a Stornoway	51	66	9, 13	49	8th	64·9	52·9	58·5	+ 4·5	4	0·35	9	− 14
a, Islands .. *a Castlebay, Barra Isd.*	*37*	*62*	*14th*	*51*	*10th*	*60·6*	*54·4*	*57·3*	—	*2*	*0·94*	*24*	—
b, Mainland. a Wick	81	61	11th	44	8th	57·4	51·1	54·1	− 0·3	4	0·15	4	− 13
b, Mainland. p Strathpeffer	200	72	12th	48	13th	67·3	53·0	59·7	+ 4·2	4	0·98	25	+ 10
b, Mainland. p Glencarron	500	67	8th	47	13th	64·7	50·6	57·2	+ 3·5	7	1·58	40	+ 1
b, Mainland. p Fort Augustus	68	71	12th	47	8, 14	66·4	50·6	58·0	+ 2·3	7	1·25	32	+ 12
b, Mainland. p Fort William	171	71	13th	47	14th	68·0	50·9	58·9	+ 2·7	6	0·95	24	− 10
1. SCOTLAND, E.													
p Gordon Castle	101	74	11th	47	8th	68·6	51·4	59·5	+ 3·2	7	0·93	24	+ 4
a Nairn	82	70	10, 11	44	8th	66·6	50·3	58·0	+ 1·8	6	0·71	18	+ 4
a Aberdeen	46	73	11th	51	14th	65·3	53·6	59·1	+ 3·1	3	0·21	5	− 11
a Balmoral	930	70	10th	45	14th	67·1	47·1	56·5	+ 3·1	6	0·67	17	− 3
p Crieff	432	70	12th	46	13th	67·0	50·9	58·5	+ 1·0	6	1·45	37	+ 15
a Leith	18	71	10th	47	13th	65·9	52·0	58·5	+ 0·5	7	1·57	40	+ 24
a West Linton	769	69	11th	39	8, 13	65·3	48·7	56·5	+ 2·2	5	0·36	9	—
p Marchmont	498	71	11, 12	48	8, 13, 14	68·0	51·9	59·5	+ 3·7	6	1·04	26	+ 6
a Edinburgh	*441*	*70*	*11th*	*50*	*8, 13, 14*	*65·1*	*53·3*	*58·9*	—	*6*	*1·06*	*27*	—
6. a SCOTLAND, W.													
a Poltalloch	132	68	12th	45	8th	65·3	51·7	58·1	+ 1·0	7	0·91	23	− 3
p Glasgow Observatory	180	69	10th	50	8th	66·1	55·6	60·5	+ 3·8	5	0·63	16	− 6
p Rothesay‡	170	67	9th	50	8th	64·4	54·1	58·9	+ 1·9	4	0·94	24	− 3
a Kilmarnock	90	70	10, 12	42	8th	67·3	51·7	59·0	+ 1·9	7	1·39	35	—
a Colmonell	170	70	11, 12	45	8th	67·6	52·9	59·8	+ 2·7	5	0·31	8	− 15
a Dumfries	160	66	9, 13	50	8th	64·3	55·3	59·5	+ 1·6	6	0·30	8	− 14
Eskdalemuir	*799*	*66*	*11, 12*	*50*	*8, 9, 14*	*64·0*	*52·4*	*57·9*	—	*7*	*0·91*	*23*	—
p Cally, Gatehouse	120	68	11th	51	8th	66·4	54·7	60·2	+ 3·6	5	0·47	12	− 13
b. I. OF MAN. p Douglas	277	65	9th	52	13th	62·0	54·7	58·1	+ 1·2	3	0·23	6	− 16
2. ENGLAND, N.E.													
a, North .. a Alnwick Castle	210	72	11th	46	13, 14	68·1	49·4	58·2	+ 1·4	7	3·21	82	+ 65
a, North .. a Tynemouth	71	67	13th	51	13th	64·3	55·0	59·4	+ 1·7	6	0·59	15	0
a, North .. p Durham	336	71	11th	45	13th	67·3	52·1	59·2	+ 1·3	6	1·00	25	+ 10
a, North .. p Rounton	249	73	9th	48	13th	69·7	51·1	60·9	+ 3·6	4	1·20	31	+ 15
a, North .. *a West Witton*	*605*	*72*	*10th*	*49*	*13th*	*68·6*	*53·0*	*60·3*	—	*7*	*0·25*	*6*	—
a, North .. p Scarborough	100	75	11th	53	13th	69·3	55·7	62·1	+ 3·7	4	0·68	17	+ 2
a, North .. p York	56	75	10th	49	13th	69·6	51·1	61·4	+ 2·2	5	0·23	6	− 9
b, South .. a Spurn Head	26	75	11th	53	8th	68·3	56·1	61·8	+ 2·4	3	0·87	22	+ 11
b, South .. a Lincoln	58	77	10th	55	8, 12	70·9	56·3	63·2	+ 3·5	6	0·57	14	+ 1
b, South .. a Fulbeck	180	76	10th	50	14th	70·6	54·0	61·8	+ 2·1	6	0·63	16	+ 2
3. ENGLAND, E.													
a, North .. p Cromer	196	70	10–12	52	14th	67·0	55·1	60·7	+ 0·8	5	0·84	21	—
a, North .. p Little Massingham	280	76	10th	51	14th	70·4	54·6	62·0	+ 2·1	4	0·45	11	− 5
a, North .. a Yarmouth	17	74	11th	53	14th	66·7	56·0	61·0	+ 0·7	5	1·38	35	+ 21
a, North .. a Norwich	93	76	11th	50	14th	71·1	56·1	63·2	+ 3·1	6	1·16	29	—
a, North .. a Geldeston	37	75	10, 11	51	14th	71·3	56·6	63·5	+ 3·8	6	0·55	14	+ 1
b. South .. p Cambridge	41	76	10th	48	14th	71·4	~~52·9~~	61·6	+ 1·8	2	0·68	17	+ 4
b. South .. a Clacton-on-Sea	54	74	8th	52	14th	69·7	58·4	63·7	+ 2·7	3	0·35	9	—
b. South .. a Rothamsted	424	73	10th	50	13th	70·1	55·7	62·5	+ 3·0	5	0·23	7	− 7
b. South .. p Tottenham	51	74	11th	53	14th	71·9	59·4	65·3	+ 3·6	5	0·55	14	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate	479	70	10th	49	13th	67·3	52·9	59·7	+ 2·2	5	0·63	16	0
a North .. *p Buxton*	*987*	*69*	*10th*	*43*	*13th*	*65·3*	*51·9*	*58·2*	+ *1·8*	*6*	*0·81*	*21*	− *4*
b, East .. a Bawtry	65	74	13th	46	13th	70·1	53·3	61·2	+ 1·6	4	0·78	20	+ 6
b, East .. a Nottingham	82	76	10th	50	13, 14	71·0	53·1	61·5	+ 1·9	5	0·52	13	− 1
b, East .. p Birmingham, Edgbsn.	535	73	10th	50	13th	69·0	55·7	62·0	+ 3·3	4	0·27	7	− 8
b, East .. a Raunds	203	79	10th	47	14th	73·1	53·1	62·5	+ 2·1	5	0·71	18	—
b, East .. p Oxford	208	75	10th	51	13, 14	71·9	56·9	64·0	+ 3·4	5	0·26	7	− 6
c. West .. a Cheadle	646	70	10th	48	13th	66·4	54·1	59·9	+ 2·5	6	0·53	13	− 6
c. West .. p Shrewsbury	191	72	10th	45	13th	69·4	54·7	61·6	+ 2·5	6	1·45	37	—
c. West .. a Hereford§	291	75	10th	45	13th	70·4	54·1	61·8	+ 2·4	5	0·20	5	− 9
c. West .. a Cirencester	446												
c. West .. a Bath	66	74	10th	49	13th	70·7	56·3	63·1	+ 3·1	7	1·57	40	+ 25
5. ENGLAND, S.E													
a Marlborough	424	74	10th	45	13, 14	69·9	53·0	60·9	+ 2·1	6	0·67	17	+ 3
a Margate	53	75	10th	54	14th	70·1	59·0	64·2	+ 2·3	4	0·30	8	− 3
a Wisley, Surrey	150	76	10th	50	13th	72·3	57·1	64·2	+ 2·5	4	0·22	6	—
p Salisbury (Wilton)	180	75	8, 10	48	13, 14	72·0	54·7	62·8	+ 1·7	6	0·98	25	+ 11
a Tunbridge Wells	354	75	10th	50	14th	70·9	56·4	63·2	+ 3·1	2	0·11	3	− 10
a Dungeness	21	69	10th	49	14th	66·6	56·7	61·4	+ 0·4	1	0·04	1	− 10
p Hastings	178	70	10th	53	14th	67·3	58·4	62·6	+ 1·4	1	0·08	2	− 11
p Southampton	64	75	10th	52	13, 14	71·3	58·3	64·4	+ 2·1	4	0·59	15	+ 1
a Ventnor	59	71	10th	55	13th	67·6	57·7	62·4	+ 0·2	3	0·07	2	− 10
LONDON. p Kew	18	75	10th	53	14th	72·1	58·8	65·1	+ 3·9	7	1·61	41	+ 28
a Westminster	*27*	*76*	*9th*	*52*	*14th*	*72·4*	*58·7*	*65·1*	+ *3·3*	*7*	*0·79*	*20*	+ *7*
a Greenwich	*155*	*77*	*10th*	*52*	*14th*	*74·6*	*58·1*	*65·9*	+ *3·2*	*6*	*1·26*	*32*	+ *19*
a Hampstead	*450*	*72*	*11th*	*50*	*14th*	*69·6*	*55·6*	*62·2*	—	*7*	*1·20*	*30*	—
a Camden Square	*110*	*77*	*11th*	*51*	*14th*	*74·3*	*58·0*	*65·7*	—	*6*	*0·52*	*13*	—
7. a, ENGLAND, N.W.													
p Aspatria	250	70	10th	49	13th	67·1	53·9	60·1	+ 3·4	3	0·20	5	− 19
p Newton Rigg	559	69	10th	45	13th	66·1	53·0	59·2	+ 3·1	3	0·10	3	− 16
p Stonyhurst	375	71	10th	47	13th	65·9	54·7	60·0	+ 2·3	7	1·48	38	+ 11
p Blackpool	66	70	10th	49	13th	67·3	56·7	61·7	+ 3·0	3	0·44	11	− 8
a Southport	*37*	*68*	*10th*	*49*	*13th*	*66·0*	*54·7*	*60·0*	+ *1·3*	*5*	*0·86*	*22*	+ *2*
a Liverpool (Bidston)	188	70	10th	52	13th	66·1	55·4	60·4	+ 1·7	7	1·50	38	+ 21
a Hawarden Bridge	*22*	*74*	*10th*	*50*	*13th*	*68·9*	*55·4*	*61·8*	+ *1·8*	*6*	*1·23*	*31*	+ *15*
p Manchester (Whit. Pk.)	125	71	10, 11	49	13th	68·4	55·9	61·8	+ 2·7	7	0·89	23	+ 7
b NORTH WALES.													
p Llandudno	71	71	10th	50	13th	67·0	55·1	60·7	+ 1·3	6	1·12	28	+ 12
a Holyhead	15	67	10th	56	8, 12, 14	63·9	56·4	59·9	+ 1·4	3	0·80	20	+ 3
p Bettws-y-Coed	*148*	*70*	*9, 10*	*50*	*13th*	*67·7*	*55·0*	*61·0*	+ *2·0*	*4*	*0·92*	*23*	—

Bright Sunshine (Hours per Day) and Ground Temperature

Stations reporting Sunshine and Temperature on the Grass and in the Ground	Sunshine: Daily Mean (hr.)	Difference from Average (hr.)	Percentage of possible duration (%)	Grass Min.: Ground Frosts	Lowest Reading (°)	Earth 1 ft.: Mean (°)	Difference from Average (°)	Earth 4 ft.: Mean (°)	Difference from Average (°)
Baltasound.	•	•	•	•	•	•	•	•	•
Deerness.	1·1	− 3·0	7	•	•	•	•	•	•
Stornoway.	5·1	+ 0·7	32	•	•	•	•	•	•
Castlebay.	*3·8*	—	*24*	•	•	•	•	•	•
• •	•	•	•	•	•	•	•	•	•
Strathpeffer.	4·3	+ 0·3	27	•	•	•	•	•	•
• •	•	•	•	•	•	•	•	•	•
Fort Augustus.	4·5	+ 1·5	29	•	•	•	•	•	•
• •	•	•	•	•	•	•	•	•	•
Crathes.	5·6	—	36	0	39	59·6	+0·3	55·5	−0·1
Gordon Castle.	*4·9*	—	*31*	•	•	•	•	•	•
Nairn.	4·1	—	26	•	•	•	•	•	•
Aberdeen.	5·5	+ 0·5	35	•	•	•	•	53·8	−0·3
Balmoral.	•	•	•	0	42	•	•	•	•
Balruddery.	3·4	—	22	•	•	•	•	•	•
• •	•	•	•	•	•	•	•	•	•
West Linton.	*3·1*	—	*20*	0	37	•	•	•	•
Marchmont.	4·0	− 1·0	26	0	42	•	•	•	•
Edinburgh.	3·0	—	19	0	41	•	•	•	•
• •	•	•	•	•	•	•	•	•	•
Glasgow.	2·9	− 1·5	19	0	41	•	•	•	•
Rothesay.	*4·1*	—	*27*	0	42	61·0	•	57·0	+2·0
Kilmarnock.	*3·7*	—	*24*	•	•	•	•	•	•
• •	•	•	•	0	42	•	•	•	•
Dumfries.	*3·6*	—	*24*	0	46	61·5	•	58·7	•
Eskdalemuir.	*4·0*	—	*26*	•	•	•	•	•	•
• •	•	•	•	•	•	•	•	•	•
Douglas.	4·0	− 1·9	26	0	49	•	•	•	•
Cockle Park.	4·3	—	28	0	40	59·2	−0·2	56·0	−0·3
Tynemouth.	•	•	•	•	•	•	•	•	•
Durham.	4·3	− 0·7	28	0	42	•	•	•	•
Rounton.	•	•	•	0	43	60·2	•	•	•
West Witton.	•	•	•	0	43	59·7	•	54·4	•
Scarborough.	5·1	—	33	•	•	•	•	58·5†	•
York.	4·4	− 0·7	29	•	•	60·7	+0·2	58·0	+1·0
Spurn Head.	*4·6*	—	*30*	•	•	•	•	•	•
Lincoln.	•	•	•	•	•	62·0	−0·4	58·7	+1·5
Rauceby.	5·8	—	38	0	50	62·0	−3·1	57·4	−1·5
Skegness.	5·6	—	37	•	•	•	•	•	•
Cromer.	3·8	—	25	•	•	•	•	•	•
Lit. Massingham.	?5·1	− 1·0	34	0	48	•	•	•	•
Yarmouth.	4·0	—	27	•	•	64·3	−2·8	61·0	−1·3
Norwich.	*4·7*	—	*31*	0	45	64·1	•	•	•
Geldeston.	4·2	− 2·3	28	•	•	•	•	•	•
Cambridge.	5·6	− 0·7	37	0	47	61·5	+0·3	60·4	0·0
Clacton.	4·8	—	32	0	48	61·6	+2·3	60·6	−0·1
Rothamsted.	5·3	− 1·3	36	0	44	62·8	•	•	•
Tottenham.	4·6	—	31	0	48	•	•	61·5	−0·2
Harrogate.	4·1	—	27	0	45	58·6	+0·5	56·5	+0·3
Buxton.	*5·4*	—	*36*	0	38	59·0	−1·6	55·8	+1·0
Sheffield.	6·0	—	40	0	43	59·9	−0·8	55·6	−0·5
Worksop.	4·5	− 0·5	30	0	42	60·6	•	57·5	•
Nottingham.	5·5	—	36	0	47	62·7	+0·2	59·1	−0·3
Birmingham.	5·7	—	38	0	33	57·9	0·0	53·7	0·0
Raunds.	*5·9*	—	*39*	0	44	64·4	•	58·0	•
Oxford.	5·9	− 0·3	40	0	47	•	•	•	•
Cheadle.	•	•	•	0	47	•	•	•	•
Shrewsbury.	•	•	•	0	42	•	•	•	•
Malvern.§	*6·0*	—	*40*	0	40	63·5	•	60·1	•
Cirencester.	•	•	•	•	•	•	•	•	•
Bath.	3·9	—	26	•	•	•	•	•	•
Worthing.	6·3	—	42	0	49	65·0	−0·7	60·7	−0·3
Marlborough.	4·2	− 1·7	28	0	39	62·9	•	57·7	•
Margate.	4·9	− 1·5	33	0	52	65·3	+1·5	61·8	+1·9
Wisley.	4·9	•	33	0	43	64·9	+0·9	59·7	−0·9
Salisbury.	•	•	•	0	45	65·1	•	•	•
Tunbridge Wells.	5·0	− 1·5	34	0	41	63·9	−1·3	60·5	•
Littlestone.	•	•	•	•	•	•	•	•	•
Hastings.	5·5	− 1·7	37	0	50	65·4	•	61·1	•
Southampton.	5·3	− 1·6	36	0	43	•	•	•	•
Ventnor.	5·5	− 1·3	37	•	•	•	•	•	•
Kew.	4·3	− 2·0	29	0	46	63·7	+0·2	58·8	−0·1
Westminster.	*4·8*	− *0·8*	*32*	0	52	•	•	•	•
Greenwich.	*5·6*	− *1·6*	*38*	0	46	•	•	•	•
Hampstead.	*4·4*	—	*30*	0	42	•	•	•	•
Camden Square.	*4·1*	—	*28*	0	50	•	•	•	•
Hoylake.	4·5	—	30	•	•	•	•	•	•
Aspatria.	5·3	—	35	0	41	60·0	•	55·0	•
Newton Rigg.	4·9	− 0·2	32	0	38	60·3	−0·3	55·8	−0·7
Stonyhurst.	3·3	− 1·8	22	0	43	•	•	•	•
Blackpool.	5·5	0·0	36	0	43	61·7	•	57·4	•
Southport.	*5·5*	− *0·3*	*36*	0	44	63·8	−0·4	61·0	−0·4
Liverpool.	*4·9*	—	*32*	•	•	•	•	•	•
Manchester (City)	*3·2*	—	*21*	0	46	62·0	+0·2	60·5	+1·5
" (Whit. Park)	*3·9*	− *0·6*	*26*	•	•	•	•	•	•
Llandudno.	5·0	− 0·6	33	•	•	•	•	•	•
Holyhead.	*4·6*	—	*30*	•	•	•	•	•	•
Bettws-y-Coed.	*4·3*	—	*28*	•	•	59·7	+1·1	54·7	−0·8
Aberdovey.	5·2	—	35	•	•	•	•	•	•

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average.	
	Ft	°		°		°	°	°	°		in.	mm	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES																							
a Llangammarch Wells	550	69	9, 10	50	13th	66·8	55·5	60·8	+ 3·6	6	1·04	26	—	5·5	—	37	*	*	*	*	*	*	Aberystwyth.
a Pembroke	149	64	11-13	57	10, 11, 14	62·9	57·6	60·1	+ 1·5	6	0·31	8	- 8	4·4	—	29	0	43	60·6	+1·1	54·9	-0·5	Llangammarch.
p Cardiff	202	71	10th	50	13th	68·3	56·4	62·0	+ 1·6	7	0·79	20	- 3	5·4	- 1·0	36	*	*	*	*	*	*	Pembroke.
														6·1	—	*41*	0	48	62·8	-0·1	58·2	-1·2	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	71	9, 10	53	13th	69·9	59·6	64·4	+ 3·1	7	0·75	19	0	*5·5*	—	*37*	0	? 45	*	*	*	*	*Clifton.*
a Shaftesbury	722	72	10, 11	49	14th	69·6	55·0	61·9	+ 2·6	4	0·91	23	+ 6	*	*	*	*	*	63·7	*	59·4	*	Shaftesbury.
a Arlington	613	70	10th	51	13th	67·1	55·6	61·0	+ 3·1	6	1·04	26	- 1	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*70*	*10th*	*55*	*12, 13*	*66·5*	*57·1*	*61·5*	+ *1·0*	*6*	*0·45*	*11*	- *2*	6·9	+ 0·2	46	0	49	64·3	*	59·3	*	Newquay.
a Cullompton	202	77	9th	49	13th	71·7	55·3	63·5	+ 3·8	6	1·61	41	+ 24	4·4	- 1·5	30	0	47	63·6	*	*	*	Cullompton.
a Portland Bill	19	65	10th	57	9, 13	63·6	58·1	60·7	0·0	4	0·14	3	—	*6·5*	—	*44*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	69	9, 10	55	13th	68·0	58·4	62·9	+ 2·2	7	0·48	12	- 4	6·6	+ 0·1	45	0	49	64·9	-0·8	59·1	*	Plymouth.
a Falmouth	167	69	8, 11	55	14th	67·6	57·7	62·4	+ 2·3	6	0·68	17	- 1	6·3	- 0·8	43	0	52	65·8	*	61·3	*	Falmouth.
9. IRELAND. N.																							
a Malin Head	208	65	11th	50	8th	62·1	53·1	57·3	+ 0·8	7	2·32	59	+ 39	*2·4*	—	*16*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	65	9th	52	8, 12	62·6	53·1	57·6	+ 0·2	7	1·62	41	+ 16	3·0	- 1·2	20	0	45	60·4	*	56·2	*	Markree Castle.
a, West .. *p* Markree Castle ..	122	69	9, 10	49	12th	66·3	52·0	58·7	+ 2·2	6	1·50	38	+ 14	4·7	+ *0·1*	*31*	*	*	*	*	*	*	*Birr Castle.*
a Birr Castle	175	74	9th	50	13th	68·1	54·6	61·0	+ 3·1	7	2·52	64	+ 43										
b, East .. *p* Armagh	196	70	10th	49	8th	66·3	53·0	53·3	+ 2·3	6	1·25	32	+ 11	3·4	- 0·9	22	0	44	60·4	-1·6	56·9	-1·4	Armagh.
a Donaghadee	101	68	11th	51	8, 14	64·0	53·3	58·3	+ 0·8	7	1·86	47	+ 28	*	*	*	*	*	*	*	*	*	
10. IRELAND, S.																	0	48	61·1	-1·6	57·7	-0·7	Trinity Coll.
p Dublin, City	47	70	10th	54	13, 14	66·7	56·7	61·4	+ 1·7	7	0·99	25	+ 7	5·1	- 0·2	34	0	41	*	*	*	*	Phœnix Park.
a Kilkenny	212	73	9th	46	13th	68·4	53·0	60·2	+ 1·8	6	2·23	57	+ 37	*	*	*	0	50	*	*	*	*	Dublin City.
a, East .. *a* Waterford	30	69	9th	49	13th	66·0	55·4	60·4	+ 1·5	7	1·19	30	+ 9	*	*	*	*	*	*	*	*	*	
a Seskin, Carrick-on-Suir	*541*	*71*	*9th*	*50*	*13th*	*66·3*	*53·7*	*59·6*	—	*7*	*2·62*	*67*	—	*3·8*	—	*25*	0	43	*	*	*	*	*Seskin.*
a Birr Castle	175	74	9th	50	13th	68·1	54·6	61·0	+ 3·1	7	2·52	64	+ 43	4·7	+ 0·1	31	*	*	*	*	*	*	Birr Castle.
a Foynes	50	71	8th	53	13th	67·9	56·0	61·6	+ 3·0	6	0·82	23	0	*	*	*	*	*	*	*	*	*	
a Cahir	199	72	9th	47	13th	69·3	53·4	60·9	+ 2·4	7	1·36	35	—	*	*	*	*	*	*	*	*	*	
b, West .. *a* Killarney	174	73	10th	54	12th	68·1	57·4	62·4	+ 4·1	7	1·77	45	+ 20										
a Valencia	30	67	10th	55	12th	64·7	57·1	60·7	+ 2·1	7	1·06	27	- 1	5·3	+ 0·3	35	*	*	*	*	*	*	Valencia.
a Roche's Point ..	32	67	9th	54	12-14	64·9	56·1	60·2	+ 1·3	7	2·01	51	+ 30	5·3	—	36	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	10-13	54	13th	65·0	53·6	60·6	- 0·1	5	0·71	18	+ 4	7·2	- 0·1	49	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	75	9th	54	13th	69·6	59·6	64·3	+ 1·7	3	0·43	11	- 3	7·1	- 0·8	48	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	72	9th	54	13, 14	69·6	57·4	63·1	+ 1·6	5	0·51	13	- 2	6·9	- 1·2	47	0	51	65·4	+0·3	61·5	-0·2	Guernsey †

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, August 14th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.		m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	‡15**	—	—	—	—	—	105	63	—	E. 5	10th 12n.	12 10th 12 . 22
Aberdeen*	105	37 ‖ 52 ‖	—	—	—	—	4	89	75	0	S. 6	11th 15h.	11 11th 15 . 35
Edinburgh	39	31	—	—	—	—	—	59	109	0	S. by W. 4	10th 17h.	7 12th 11 . 50
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	—	—	24	99	45	0	SW. by S. 8	10th 16h.	12 10th 16 . 2
Paisley (Coats Obs.)	81	52	—	—	—	—	—	51	117	0	SW. by S. 5	10th 16h.	13 11th 17 . 58
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	—	13	140	15	SE. by S. 3	8th 15h.	8 10th 17 . 45
South Shields ..	61	12	—	—	—	—	—	26	141	1	SE. by S. 5	12th 14h.	10 10th 17 . 15
Spurn Head	40	†	—	—	—	—	—	45	119	4	SE. by E. 5	10th 15h.	13 10th 17 . 35
3. ENGLAND, E.													
Gorleston	42	‡	—	—	—	—	21	145	0	0	— 8	8th 8h.	11 13th 15 . 46
Shoeburyness ..	90	‡	—	—	—	—	9	123	36	0	S.W. 7	14th 16h.	13 8th 7 . 27
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	5	84	79	0	SSW. 9	14th 16h.	14 12th 12 . 27
5. ENGLAND, S.E.													
Dover	40	‡	—	—	—	—	—	—	—	—	— —	— —	— — —
Warlingham ..	33	‡	—	—	—	—	3	111	51	0	— 6	10th 14h.	11 10th 14 . 22
Brighton	53	6			Record defective.								
Kew†	65	6 ‖ 22 ‖	—	—	—	—	2	94	72	0	SW. 7	14th 15h.	13 14th 14 . 45
South Kensington ..	92	30	—	—	—	—	—	84	84	0	SSW. 5	14th 15h.	14 12th 14 . 38
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	—	26	142	0	W. 4	14th 14h.	8 11th 22 . 37
Southport	62	48	—	—	—	—	8	144	16	0	E. by N. 7	8th 1h.	13 14th 16 . 16
Holyhead*	40	‡	—	—	—	—	106	55	7	0	SW. 9	11th 14h.	14 11th 16 . 23
8. ENGLAND, S.W.													
Pendennis Castle§ ..	65	24	—	—	14th	4	41	84	39	0	W&SW. 12	14th 14h.	15 14th 14 . 7
Plymouth	88	2	—	—	9 to 14	52	11	19	86	0	— 16	14th 15h.	20 14th 14 . 50
10. IRELAND, S.													
Quilty	40	‡	—	—	14th	12	99	50	7	0	— 12	14th 20h.	16 14th 6 . 52
Weaver Pt.	30	‡	—	—	—	—	—	—	—	—	— —	— —	— — —
11. ENGLISH CHANNEL.													
Scilly*	32 ‖ 19 ‖	‡	—	—	—	—	22	88	53	0	WNW. 9	14th 20h.	12 14th 19 . 55

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTY-SECOND WEEK—August 8th to August 14th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
			Means of				Accumulated Number of Day-Degrees.												
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	72	44	63·8	51·6	57·4	+ 2·6	108	+ 18	0	0	5	0	0·85	22	− 2	3·8	−0·1	24	1013
Eastern.																			
1. SCOTLAND, EAST ...	74	39	66·7	50·7	58·2	+ 2·0	114	+ 14	0	0	6	+ 2	0·87	22	+ 4	4·3	−0·6	27	1013
2. ENGLAND, N.E.	77	46	68·7	54·0	60·9	+ 2·5	132	+ 17	0	0	5	+ 2	1·00	25	+ 10	4·9	−0·5	32	1015
3. ENGLAND, EAST ...	76	48	70·0	56·1	62·6	+ 2·4	144	+ 16	0	0	5	+ 2	0·69	18	+ 6	4·7	−1·5	31	1016
4. MIDLAND COUNTIES ...	79	45	69·9	54·4	61·7	+ 2·3	138	+ 16	0	0	5	+ 2	0·69	18	+ 4	5·1	−0·5	34	1016
5. ENGLAND, S.E.	76	45	70·0	57·0	63·0	+ 1·7	147	+ 12	0	0	4	+ 1	0·47	12	0	5·1	−1·4	34	1017
Western.																			
6. SCOTLAND, WEST ...	70	42	65·4	53·8	59·3	+ 2·5	121	+ 17	0	0	5	+ 1	0·65	17	− 8	3·5	−1·7	22	1013
7. ENGLAND, N.W.	71	45	66·5	55·1	60·5	+ 1·9	130	+ 14	0	0	5	+ 1	0·82	21	+ 1	4·8	−0·5	32	1014
8. ENGLAND, S.W.	77	49	67·6	57·0	62·0	+ 2·4	140	+ 17	0	0	6	+ 2	0·77	20	+ 3	5·6	−0·6	38	1016
9. IRELAND, NORTH ...	74	49	64·9	53·2	58·7	+ 1·4	117	+ 10	0	0	7	+ 3	1·84	47	+ 24	3·2	−1·1	21	1012
10. IRELAND, SOUTH ...	74	46	67·1	55·5	61·0	+ 2·2	133	+ 14	0	0	7	+ 3	1·56	40	+ 17	5·1	0·0	34	1014
11. ENGLISH CHANNEL ...	75	54	68·1	57·9	62·7	+ 0·9	145	+ 7	0	0	4	0	0·55	14	0	7·1	−1·1	48	1017

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 11 Weeks, May 30th to August 14th, 1915.

0. SCOTLAND, NORTH ..	78	34	60·7	47·8	53·8	*	910	+ 2	0	− 4	42	− 4	6·35	161	− 45	4·9	+0·3	28	1013
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·5	47·0	54·7	*	981	− 42	3	0	42	+ 2	7·83	199	+ 31	5·4	−0·2	32	1013
2. ENGLAND, N.E.	85	31	65·2	49·7	56·9	*	1148	+ 1	0	0	36	+ 2	6·62	169	+ 27	6·0	−0·1	36	1014
3. ENGLAND, EAST ...	90	31	67·3	51·6	58·9	*	1300	+ 6	0	0	38	+ 6	7·35	188	+ 53	6·5	−0·2	41	1014
4. MIDLAND COUNTIES ...	87	31	67·4	49·3	57·7	*	1210	− 54	0	− 1	36	+ 3	7·86	200	+ 55	5·9	−0·1	36	1014
5. ENGLAND, S.E.	88	29	66·8	51·8	58·8	*	1298	− 62	0	0	30	0	5·55	141	+ 11	6·4	−0·5	40	1014
Western.																			
6. SCOTLAND, WEST ...	76	30	63·9	49·0	56·0	*	1077	− 13	0	− 1	39	− 1	6·96	178	− 37	5·8	−0·1	35	1014
7. ENGLAND, N.W.	77	32	64·4	50·5	57·0	*	1156	− 38	0	0	36	− 1	7·14	184	+ 9	6·0	−0·1	37	1014
8. ENGLAND, S.W.	79	28	64·6	51·3	57·5	*	1198	− 64	0	0	39	+ 3	8·64	220	+ 53	5·9	−0·6	37	1014
9. IRELAND, NORTH ...	75	34	62·4	49·6	55·6	*	1047	− 54	0	0	53	+ 8	8·84	224	+ 29	4·9	−0·1	30	1013
10. IRELAND, SOUTH ..	78	34	64·6	51·3	57·5	*	1191	− 30	0	0	52	+13	9·82	250	+ 62	5·2	−0·4	33	1014
11. ENGLISH CHANNEL ..	81	43	64·5	54·2	59·0	*	1307	− 52	0	0	31	− 5	5·83	148	+ 15	6·9	−1·1	44	1016

THE YEAR.—Aggregates, &c., for the Period of 32 Weeks, January 3rd to August 14th, 1915.

0. SCOTLAND, NORTH ..	80	12	51·5	39·7	45·4	*	1272	− 24	503	− 54	140	− 6	26·77	679	− 42	3·7	+0·1	28	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	53·0	38·5	45·4	*	1386	−101	630	+ 10	124	+ 4	18·66	474	+ 33	4·3	0·0	32	1011
2. ENGLAND, N.E.	85	20	54·4	41·1	47·5	*	1641	+ 15	403	− 72	112	+ 4	15·75	399	+ 51	4·6	0·0	35	1012
3. ENGLAND, EAST ..	90	18	55·8	42·2	48·7	*	1891	− 6	381	−140	117	+12	17·48	447	+113	4·9	0·0	37	1012
4. MIDLAND COUNTIES ...	87	19	56·4	40·6	48·2	*	1836	− 59	451	− 82	106	+ 2	18·41	468	+ 90	4·5	+0·1	37	1013
5. ENGLAND, S.E.	88	15	56·3	43·0	49·4	*	1983	− 49	318	− 63	96	− 3	18·80	481	+120	4·9	−0·1	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	54·1	40·7	47·1	*	1575	− 31	434	+ 9	121	− 5	22·88	582	− 70	4·7	+0·3	36	1012
7. ENGLAND, N.W.	77	21	54·4	42·1	48·0	*	1688	− 48	344	− 42	110	− 5	20·36	519	+ 46	4·9	+0·5	37	1012
8. ENGLAND, S.W.	79	17	55·4	43·5	49·0	*	1868	− 70	298	− 3	116	+ 3	24·26	616	+102	4·7	−0·2	36	1013
9. IRELAND, NORTH ...	75	20	53·8	41·7	47·5	*	1591	− 93	352	+ 7	140	+ 3	21·06	537	− 1	4·1	+0·1	31	1011
10. IRELAND, SOUTH ...	78	21	55·8	43·4	49·3	*	1903	− 45	284	+ 25	139	+17	24·18	619	+ 52	4·4	−0·1	34	1013
11. ENGLISH CHANNEL ...	81	27	55·9	46·3	50·9	*	2112	− 71	120	+ 11	113	− 7	18·96	478	+ 55	5·2	−0·7	40	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., August 18th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 129

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 33. THIRTY-THIRD WEEK, SUNDAY, AUGUST 15TH, TO SATURDAY, AUGUST 21ST, 1915.

Price 6d., Post free 7d.
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I.—Remarks.

Thunderstorms occurred in many parts of Great Britain and at some Irish stations early in the week, and the accompanying rain was considerable. On the 16th 25 mm. fell at Westminster, 24 or 25 mm. at several places in the north-west of England (28 mm. at Burnley), and 26 mm. at Clacton-on-Sea; while on the 17th there was as much as 34 mm. at Cambridge. Towards the middle of the period fair weather set in very generally. As a whole the rainfall for the week was much below the average and in the Channel Islands and over a large portion of Devon and Cornwall there was no measurable quantity. Temperature was a little above the normal in Scotland North and West, and equal to it in Scotland East, but below it in England and Ireland. The highest reading recorded was 74° at Southampton on the 20th, but at many stations both inland and on the coast the thermometer remained below 70° throughout the week. Bright sunshine was below the average in all the eastern districts, and also in the extreme north. In Scotland North and East the deficit amounted to 2 hours per day, and in England North-East and the Midland Counties to more than 1 hour per day. Throughout the western section, however, there was an excess; in England South-West the excess amounted to 2·1 hours per day, and in the English Channel district to as much as 2·6 hours. In Scotland North the percentage of the possible duration was only 12, but in England South-West it was 57, and in the English Channel as high as 74.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Moderate	Light	Moderate	Light	Light	Light	Moderate	Very light	Very light	Very light	Nought
	Sunshine ...	Very scanty	Scanty	Scanty	Moderate	Scanty	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant	Very abundant

THE SEASON.

SUMMER. 12 weeks from May 30th, 1915.	Warmth ...	4, 5, 3	2, 6, 4	3, 5, 4	3, 3, 6	2, 6, 4	2, 3, 7	3, 5, 4	2, 7, 3	2, 5, 5	2, 8, 2	3, 6, 3	2, 6, 4
	Rainfall ...	1, 6, 5	4, 6, 2	5, 3, 4	6, 3, 3	6, 2, 4	4, 4, 4	2, 6, 4	3, 6, 3	6, 2, 4	4, 5, 3	5, 4, 3	3, 5, 4
	Sunshine ...	3, 6, 3	3, 2, 7	3, 3, 6	5, 4, 3	4, 2, 6	2, 5, 5	3, 3, 6	3, 6, 3	4, 5, 3	2, 6, 4	3, 6, 3	2, 4, 6

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

11.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, August 21st. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	62	58	60·0	+1·9
Wick	51	51	51·0	-2·4	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	55	53	54·3	-0·9
Ballantrae	62	59	60·1	+3 0	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	61	59	60·2	-0·8	Eastbourne‡	64	63	63·1	-1·2
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	60	58	59·1	-1·2	Port Erin	59	56	57·2	-0·1

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5852—19.) Wt. 160—610. 450. 8/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Average	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
																	Ground Frosts	Lowest Reading.	Mean	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
a, Islands ..	*p Baltasound*	*51*															*	*	*	*	*	*	*Baltasound.*
	a Lerwick	54	59	15th	48	19, 21	56·1	50·4	53·1	+ 0·9	5	0·51	13	—	0·4	- 3·5	3	*	*	*	*	*	*	Deerness.
	a Stornoway	51	64	15th	52	18, 19, 21	60·9	53·1	56·8	+ 2·6	3	0·12	3	- 21	3·0	- 1·3	20	*	*	*	*	*	*	Stornoway
	a Castlebay, Barra Isl. ..	*37*	*67*	*18th*	*52*	*18th*	*61·9*	*53·9*	*57·7*	—	*3*	*0·13*	*3*	—	*5·0*	—	*33*	*	*	*	*	*	*	*Castlebay.*
b, Mainland.	*a* Wick	81	63	21st	49	21st	53·0	50·4	54·0	- 0·3	7	0·31	8	- 9	*	*	*	*	*	*	*	*	*	*	
	p Strathpeffer	200													*	*	*	*	*	*	*	*	*	Strathpeffer.
	p Glencarron	600	63	15, 16	48	15th	60·4	50·3	55·1	+ 1·6	4	0·34	9	- 32	*	*	*	*	*	*	*	*	*	*	
	p Fort Augustus.. ..	68	65	18th	46	19th	62·6	50·4	56·1	+ 0·5	2	0·08	2	- 18	2·2	- 0·7	15	*	*	*	*	*	*	Fort Augustus.
	p Fort William	171	70	15th	45	18th	65·3	49·9	57·1	+ 1·1	4	0·52	13	- 24	*	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																							
	p Gordon Castle	101	64	15th	45	15th	59·1	51·7	55·2	- 0·9	6	0·46	12	- 8	0·8	—	5	0	40	50·4	+0·9	56·3	+0·5	Crathes.
	a Nairn	82	65	19th	49	15th	61·1	51·0	55·8	- 0·2	4	0·14	4	- 10	*0·6*	—	*4*	*	*	*	*	*	*	*Gordon Castle.*
	a Aberdeen	46	64	15th	51	15th	60·6	52·1	56·1	+ 0·1	4	0·31	8	- 8	1·9	—	13	*	*	*	*	*	*	Nairn.
	a Balmoral	935	62	19th	42	18th	64·7	46·0	54·8	+ 1·8	3	0·70	18	- 3	2·0	- 2·9	13	*	*	*	*	54·6	+0·4	Aberdeen.
	p Crieff	432	73	18th	46	18, 19	66·6	49·9	57·8	+ 0·7	1	0·54	14	- 10	*	*	*	0	39	*	*	*	*	Balmoral.
															4·4	—	29	*	*	*	*	*	*	Balrud lery.
	a Leith	18	72	18th	50	18, 21	65·1	52·1	58·2	+ 0·2	1	0·75	19	+ 2	*	*	*	*	*	*	*	*	*	*	
	a West Linton	769	68	18th	39	18th	62·6	44·7	53·1	- 0·7	3	0·46	12	—	*3·8*	—	*25*	0	36	*	*	*	*	*West Linton.*
	p Marchmont	498	70	18th	47	19th	62·7	50·3	56·1	+ 0·5	3	0·41	10	- 10	3·6	- 1·2	24	0	41	*	*	*	*	Marchmont.
	a Edinburgh	*441*	*69*	*18th*	*48*	*18th*	*62·4*	*51·7*	*56·7*	—	*1*	*0·69*	*18*	—	4·2	—	28	0	43	*	*	*	*	Edinburgh.
6. *a* SCOTLAND, W.																							
	a Poltalloch	132	67	15, 16	43	18, 19	63·7	49·6	55·2	- 0·6	3	0·38	10	- 17	*	*	*	*	*	*	*	*	*	*	
	p Glasgow Observatory	180	68	16, 18	48	18th	65·3	52·4	58·5	+ 2·1	2	0·40	10	- 23	5·4	+ 1·1	38	0	38	*	*	*	*	Glasgow.
	p Rothesay†	170	67	15th	48	19th	63·4	51·6	57·2	+ 0·5	5	0·39	10	- 18	*4·9*	—	*33*	0	40	50·9	*	57·0	+1·4	*Rothesay.*
	a Kilmarnock	90	69	16th	42	18th	65·1	47·9	56·0	- 0·6	1	0·34	9	—	*5·2*	—	*35*	*	*	*	*	*	*	*Kilmarnock.*
	a Colmonell	170	70	15th	42	18, 19	66·7	49·9	57·8	+ 0·8	4	0·38	10	- 14	*	*	*	0	40	*	*	*	*	
	a Dumfries	160	69	18th	46	18th	65·1	49·6	56·9	- 0·7	1	0·69	18	- 4	*5·2*	—	*35*	0	41	60·8	*	59·0	*	*Dumfries.*
	Eskdalemuir	*799*	*69*	*18th*	*44*	*15, 18*	*62·9*	*49·3*	*55·7*	—	*2*	*0·59*	*15*	—	*5·3*	—	*36*	*	*	*	*	*	*	*Eskdalemuir.*
	p Cally, Gatehouse ..	120	70	18th	42	18, 19	66·7	47·9	56·7	+ 0·6	1	0·19	5	- 22	*	*	*	*	*	*	*	*	*	*	
b, I. OF MAN.	*p* Douglas	277	65	15, 17	51	15th	63·4	53·1	57·9	+ 1·2	2	0·57	14	- 10	7·8	+ 2·1	52	0	48	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
	a Alnwick Castle ..	210	66	15, 18	44	20th	63·3	49·1	55·8	- 0·8	4	0·34	9	- 8	3·5	—	24	0	36	57·7	-0·6	56·5	+0·2	Cockle Park.
	a Tynemouth	71	64	15th	51	16th	61·9	53·6	57·5	+ 0·1	2	0·39	10	- 5	*	*	*	*	*	*	*	*	*	*Tynemouth.*
	p Durham	336	68	18th	47	15th	64·9	50·4	57·2	- 0·4	3	0·51	13	- 1	3·1	- 1·7	21	0	41	*	*	*	*	Durham.
a, North ..	*p* Rounton	249	67	18th	48	15th	63·3	50·4	56·5	- 0·6	4	0·39	10	- 6	*	*	*	0	45	60·0	*	*	*	Rounton
	a West Witton	*605*	*70*	*18th*	*46*	*15th*	*65·1*	*49·6*	*58·9*	—	*3*	*0·45*	*11*	—	*	*	*	0	42	59·4	*	54·9	*	*West Witton.*
	p Scarborough	100	66	20th	52	15th	64·4	53·6	58·7	+ 0·5	0	0·00	0	- 16	3·8	—	26	*	*	*	*	58·5†	*	Scarborough.
	p York	56	69	15, 20	50	15, 16	64·6	53·4	58·7	- 0·1	3	0·09	2	- 13	3·9	- 1·0	27	*	*	60·4	+0·2	53·0	+0·5	York.
	a Spurn Head	26	68	15, 20	53	16th	65·3	51·7	58·7	+ 0·5	1	0·04	1	- 10	*1·8*	—	*12*	*	*	*	*	*	*	*Spurn Head.*
b, South ..	*a* Lincoln	58	72	20th	50	18th	64·8	52·5	58·3	- 1·1	0	0·00	0	- 13	*	*	*	*	*	61·2	-0·6	59·4	+1·3	Lincoln.
	a Fulbeck	180	71	15th	48	20th	67·1	50·3	58·2	- 1·2	6	0·64	16	+ 2	4·6	—	31	0	?49	62·0	-2·7	58·0	-1·4	Rauceby.
															4·6	—	31	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
	p Cromer	196	68	16th	52	17th	63·6	53·9	58·5	- 0·9	1	0·25	6	—	4·0	- 1·8	27	*	*	*	*	*	*	Cromer
	p Little Massingham ..	280	70	20th	50	15, 16, 20	65·1	50·7	57·5	- 2·0	2	0·17	4	- 12	4·3	—	29	0	47	*	*	*	*	Lit. Massingham.
a, North ..	*a* Yarmouth	17	68	15th	49	20th	65·1	51·7	58·0	- 1·9	2	0·59	15	+ 1	5·4	—	37	*	*	62·0	-4·3	61·0	-1·6	Yarmouth.
	a Norwich	93	70	16th	45	17th	66·5	50·0	57·8	- 1·8	2	0·23	6	—	*5·0*	—	*34*	0	40	62·3	*	*	*	*Norwich.*
	a Geldeston	37	70	15, 20	46	17th	67·1	50·1	58·1	- 1·3	4	0·37	9	- 4	4·5	- 1·8	31	*	*	*	*	*	*	Geldeston.
	p Cambridge	41	70	20th	48	16, 19	67·9	50·6	58·7	- 1·8	3	1·46	37	+ 24	6·1	0·0	42	0	48	63·6	+0·1	61·0	+0·3	Cambridge.
b, South ..	*a* Clacton-on-Sea ..	54	68	15th	50	16th	66·4	53·4	59·5	- 1·5	3	1·04	26	—	6.3	—	43	0	47	62·8	+0·4	61·1	+0·2	Clacton.
	a Rothamsted	424	68	20th	47	17, 20	66·0	50·1	57·6	- 1·6	1	0·17	*4*	*- 10*	7·0	+ 0·7	48	0	41	61·4	*	*	*	Rothamsted.
	p Tottenham	51	71	20th	51	19, 20	67·1	53·6	60·0	- 0·9	1	0·17	4	—	5·8	—	40	0	47	*	*	61·9	-0·3	Tottenham.
4. MIDLAND COUNTIES.																							
a North ..	*a* Harrogate	479	67	18th	47	18th	63·3	49·7	56·1	- 0·9	4	0·27	7	- 9	3·8	—	26	0	40	58·1	+0·3	56·9	+0·5	Harrogate.
	p Buxton	*987*	*64*	*18th*	*45*	*18th*	*62·0*	*49·6*	*55·4*	*- 0·5*	*3*	*0·63*	*16*	*- 10*	*3·4*	—	*23*	0	39	58·0	-1·9	56·4	+1·0	*Buxton.*
	a Bawtry	65	68	15th	47	20th	66·0	50·3	57·7	- 1·4	1	0·11	3	- 11	3·3	—	22	0	43	59·2	-0·9	56·2	0·0	Sheffield.
	a Nottingham	82	68	17, 18	47	20th	66·0	50·6	57·8	- 1·4	2	0·17	4	- 10	3·3	- 1·5	22	0	?41	60·2	*	58·0	*	Worksop.
b, East ..	*p* Birmingham, Edgbsn.	535	68	19th	49	20th	65·9	52·3	58·7	+ 0·3	1	0·08	2	- 14	3·7	—	25	0	42	61·3	-0·1	59·7	0·0	Nottingham.
	a Raunds	203	71	17, 20	44	20th	69·0	48·4	58·1	- 1·6	2	0·41	10	—	4·0	—	27	0	41	55·3	-1·4	54·1	-0·2	Birmingham.
	p Oxford	208	71	17, 19	48	20th	69·0	51·7	59·8	- 0·4	1	0·09	2	- 11	*5·6*	—	*38*	0	42	61·8	*	58·1	*	*Raunds.*
															6·1	+ 0·1	42	0	44	*	*	*	*	Oxford.
	a Cheadle	646	68	18, 19	49	20th	65·1	51·7	58·0	+ 1·0	3	0·63	16	- 4	*	*	*	0	47	*	*	*	*	Cheadle.
	p Shrewsbury	191	70	18th	41	19th	67·1	50·6	58·4	- 0·5	2	0·57	15	—	*	*	*	0	39	*	*	*	*	Shrewsbury.
c, West ..	*a* Hereford§	291	70	19th	43	19th	68·0	51·0	59·0	- 0·4	2	0·24	6	- 8	*6·5*	—	*45*	0	39	62·2	*	60·6	*	*Malvern.*§
	a Cirencester	446													*	*	*	0	39	*	*	*	*	Cirencester.
	a Bath	66	70	19, 20	46	19th	68·1	51·0	59·0	- 0·8	1	0·03	2	- 14	6·5	—	45	*	*	*	*	*	*	Bath.
5. ENGLAND, S.E.																							
	a Marlborough	424	69	19, 20	41	19th	67·3	45·6	55·8	- 2·2	3	0·45	11	- 4	7·3	—	51	0	45	62·5	-2·8	60·9	-0·5	Worthing.
	a Margate	53	68	16, 20	54	15, 19	66·3	55·7	60·7	- 0·8	2	0·09	2	- 9	5·8	0·0	40	0	37	61·3	*	58·1	*	Marlborough.
	a Wisley, Surrey ..	150	71	17th	46	20th	68·3	49·9	59·6	- 2·7	3	0·39	10	—	5·3	- 0·9	37	0	49	63·3	-0·1	62·1	+1·7	Margate.
	p Salisbury (Wilton) ..	180	72	20th	42	20th	68·3	47·3	57·2	- 3·6	3	0·25	6	- 8	5·8	*	40	0	40	62·8	-0·7	59·9	-1·1	Wisley.
	a Tunbridge Wells ..	354	72	20th	46	17, 19	68·4	48·4	57·8	- 2·1	3	0·08	2	- 11	*	*	*	0	42	63·4	*	*	*	Salisbury.
															5·7	- 0·6	40	0	37	61·6	-3·0	60·8	*	Tunbridge Wells.
	a Dungeness	21	67	17, 19	47	18th	65·6	52·6	58·7	- 2·3	4	0·40	10	- 1	*	*	*	*	*	*	*	*	*	*	Littlestone.
	p Hastings..	178	63	19, 20	51	17th	65·7	53·1	59·5	- 1·5	4	0·76	19	+ 5	5·3	- 1·6	37	0	49	63·0	*	61·2	*	Hastings.
	p Southampton	64	74	20th	50	19th	70·6	52·4	61·0	- 1·2	3	0·15	4	- 11	7·7	+ 1·0	53	0	42	*	*	*	*	Southampton.
	a Ventnor	59	72	19th	54	16th	66·3	55·7	61·6	- 0·4	0	0·00	0	- 12	8·1	+ 1·4	56	*	*	*	*	*	*	Ventnor.
LONDON.	*p* Kew	18	70	20th	51	17, 19, 20	68·0	52·9	60·0	- 0·8	2	0·54	14	+ 1	6·2	+ 0·1	43	0	43	62·4	-0·8	59·5	+0·3	Kew.
	a Westminster	*27*	*71*	*20th*	*50*	*19th*	*69·0*	*53·1*	*60·6*	*- 0·5*	*2*	*1·05*	*27*	*+ 14*	*5·1*	*+ 0·6*	*42*	0	41	*	*	*	*	*Westminster.*
	a Greenwich	*155*	*73*	*17th*	*50*	*17, 19, 20*	*70·3*	*52·5*	*60·9*	*- 1·1*	*2*	*0·46*	*12*	*0*	*6·4*	*- 0·5*	*44*	0	42	*	*	*	*	*Greenwich.*
	a Hampstead	*450*	*70*	*20th*	*49*	*17, 19*	*66·6*	*51·2*	*58·4*	—	*3*	*0·33*	*8*	—	*6·3*	—	*44*	0	37	*	*	*	*	*Hampstead.*
	a Camden Square ..	*119*	*73*	*23th*	*50*	*19, 20*	*71·1*	*52·1*	*61·0*	—	*3*	*0·48*	*12*	—	*5·7*	—	*40*	0	48	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
	p Aspatria	250	68	15th	46	15, 19	65·3	49·1	56·7	0·0	2	0·59	15	- 10	5·0	—	34	*	*	*	*	*	*	Hoylake.
	p Newton Rigg	559	69	18th	43	18, 19	64·9	48·1	56·0	+ 0·1	2	0·48	12	- 8	5·7	—	38	0	38	59·3	*	55·4	*	Aspatria.
	p Stonyhurst	375	67	15th	48	18th	63·6	51·4	57·1	- 0·2	3	1·19	30	+ 3	4·9	0·0	33	0	38	59·9	-0·3	55·2	-0·4	Newton Rigg.
	p Blackpool	66	65	15, 19	49	18th	63·7	53·9	58·3	- 0·1	2	1·01	26	+ 5	4·7	- 0·2	32	0	41	*	*	*	*	Stonyhurst.
	a Southport	*37*	*64*	*15, 17*	*50*	*18th*	*62·7*	*53·9*	*58·0*	*- 0·6*	*2*	*0·76*	*19*	*- 3*	5·2	- 0·1	35	0	44	61·7	*	58·0	*	Blackpool.
	a Liverpool (Bidston) ..	188	65	17th	53	19th	62·7	51·6	58·4	0·0	3	1·02	26	+ 8	*5·0*	*- 0·6*	*34*	0	45	63·5	-0·1	61·7	+0·6	*Southport.*
	a Hawarden Bridge ..	*22*	*67*	*17th*	*52*	*19th*	*64·6*	*54·7*	*59·4*	*- 0·4*	*2*	*0·55*	*14*	*- 3*	*4·8*	—	*33*	*	*	*	*	*	*	*Liverpool.*
	p Manchester (Whit. Pk.)	125	68	17, 18	51	19th	65·7	53·4	59·2	+ 0·5	3	0·37	9	- 7	*3·6*	*- 0·6*	*24*	*	*	61·6	+0·1	60·8	+1·4	*Manchester (City)*
																								" (Whit. Park)
b NORTH WALES.																							
	p Llandudno	71													*	*	*	*	*	*	*	*	*	Llandudno.
	a Holyhead	15	67	18th	55	15, 16, 20	64·3	55·6	59·7	+ 0·8	1	0·04	1	- 17	*6·8*	—	*46*	*	*	*	*	*	*	*Holyhead.*
	p Bettws-y-Coed	*148*	*67*	*18, 19*	*41*	*19th*	*65·6*	*48·7*	*56·6*	*- 2·3*	*5*	*0·83*	*21*	—	*5·8*	—	*39*	*	*	57·0	-1·4	55·0	-0·5	*Bettws-y-Coed.*
															7·6	—	52	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft	°		°		°	°	°	°		in.	mm	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														6·1	—	42	*	*	*	*	*	*	
a Llangammarch Wells	550	67	18th	43	19, 20	64·6	49·8	53·8	- 0·3	2	0·40	10	—	5·2	—	36	0	39	59·7	-0·9	55·2	-0·6	Aberystwyth.
a Pembroke	149	64	18th	53	19, 20	62·4	54·4	58·2	- 0·5	0	0·00	0	- 17	8·0	+ 1·7	55	*	*	*	*	*	*	Llangammarch.
p Cardiff	202	69	19, 20	51	16, 19	67·0	52·7	59·4	- 0·9	3	0·15	4	- 21	5·7	—	40	0	47	61·9	-1·2	58·6	-1·3	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	239	70	20th	50	19th	67·4	53·1	59·8	- 0·9	2	0·14	4	- 16	5·4	—	37	0	52	*	*	*	*	*Clifton.*
a Shaftesbury	722	71	20th	48	16, 17	66·6	49·3	57·4	- 1·3	3	0·36	9	- 8	*	*	*	*	*	61·8	*	60·1	*	Shaftesbury.
a Arlington	613	66	17, 18	47	16th	65·0	50·1	57·1	- 0·6	0	0·00	0	- 23	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*66*	*18th*	*49*	*18, 19*	*63·7*	*55·1*	*59·1*	*- 0·9*	*2*	*0·05*	*1*	*- 12*	10·3	+ 4·0	72	0	43	63·7	*	59·9	*	Newquay.
a Cullompton	202	74	19th	43	20th	69·9	47·1	57·8	- 1·6	1	0·01	0·2	- 17	7·3	+ 1·4	51	0	41	62·2	*	*	*	Cullompton.
a Portland Bill	19	67	21st	52	20th	65·3	55·7	60·2	- 0·7	0	0·00	0	—	7·1	—	49	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	68	17, 20	50	18, 19	66·9	52·6	59·3	- 1·1	0	0·01	0	- 16	9·3	+ 2·9	65	0	?42	62·9	-2·0	60·0	*	Plymouth.
a Falmouth	167	70	19th	51	18th	66·3	53·6	59·6	- 0·3	0	0·00	0	- 19	11·6	+ 4·7	81	0	47	65·5	*	62·4	*	Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	61	15, 17	52	16, 17	59·9	53·3	56·4	- 0·1	4	0·51	13	- 7	3·4	*	23	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	62	16, 20	52	16, 17, 20	61·1	52·6	56·6	- 0·8	1	0·18	4	- 23	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	67	16, 17	44	20th	64·7	49·1	56·4	+ 0·2	4	0·23	6	- 19	6·0	+ 1·8	40	0	39	60·6	*	56·9	*	Markree Castle.
a Birr Castle	175	67	17, 18	46	19th	64·7	49·0	56·4	- 1·2	2	0·12	3	- 20	*4·7*	*+ 0·1*	*32*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	66	15-17, 19	44	18, 19	65·4	48·6	56·5	- 0·3	1	0·05	1	- 21	4·1	- 0·1	28	0	36	60·3	-1·3	57·5	-1·2	Armagh.
a Donaghadee	101	63	20th	51	16, 20	60·6	52·3	56·2	- 1·1	2	0·06	1	- 19	*	*	*	*	*	*	*	*	*	*
														*	*	*	0	43	60·1	-1·4	58·0	-0·7	Trinity Coll.
10. IRELAND, S.														5·0	- 0·3	34	0	39	*	*	*	*	Phœnix Park.
p Dublin, City	47	65	16, 18, 21	48	19th	64·0	52·4	57·9	- 1·4	1	0·11	3	- 16	*	*	*	0	45	*	*	*	*	Dublin City.
a, East .. { *a* Kilkenny	212	68	18th	47	19th	65·4	50·7	57·8	- 0·4	2	0·07	2	- 19	*	*	*	*	*	*	*	*	*	*
a Waterford	30	68	17, 18	48	19th	66·3	52·1	58·8	+ 0·1	1	0·06	2	- 21	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*68*	*18th*	*48*	*19th*	*65·4*	*50·3*	*57·4*	—	*2*	*0·10*	*3*	—	*5·8*	—	*40*	0	44	*	*	*	*	*Seskin.*
a Birr Castle	175	67	17, 18	46	19th	64·7	49·0	56·4	- 1·2	2	0·12	3	- 20	4·7	+ 0·1	32	*	*	*	*	*	*	Birr Castle.
a Foynes	50	69	17th	49	18th	65·3	52·7	58·6	+ 0·2	2	0·15	4	- 19	*	*	*	*	*	*	*	*	*	*
a Cahir	199	71	18th	47	18th	67·0	51·3	58·7	+ 0·7	2	0·36	9	—	*	*	*	*	*	*	*	*	*	*
b, West .. { *a* Killarney	174	71	18th	48	19th	67·9	52·2	59·6	+ 1·3	3	0·25	6	- 21	*	*	*	*	*	*	*	*	*	*
a Valencia	30	69	18th	49	18th	65·4	52·4	58·5	- 0·1	2	0·08	2	- 27	10·7	+ 5·7	73	*	*	*	*	*	*	Valencia.
a Roche's Point ..	32	69	17th	50	19th	65·7	53·0	59·0	+ 0·2	5	0·15	4	- 19	*	*	*	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	17-19	54	16-18	65·0	54·9	59·7	- 1·0	0	0·00	0·1	- 14	10·9	+ 3·5	76	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	70	19th	51	20th	67·3	54·6	60·6	- 2·0	0	0·00	0	- 14	10·5	+ 2·6	73	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	72	19th	51	20th	68·0	54·0	60·6	- 1·1	0	0·00	0	- 15	10·2	+ 2·3	71	0	45	61·6	-0·5	62·4	+0·2	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, August 21st, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	‡15**	—	—	—	—	6	145	17	0	NW. 6	18th 9h	15 18th 9 . 25
Aberdeen*	105	37 / 52 ‖	—	—	18th	4	40	115	9	0	NW. 11	18th 11h.	18 18th 11 . 50
Edinburgh	39	31	—	—	—	—	19	118	31	0	NE. by N. 8	16th 14h.	14 16th 13 . 22
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	—	—	47	77	44	0	NNE. 11	16th 14h.	17 16th 13 . 40
Paisley (Coats Obs.)	81	52	—	—	—	—	5	100	63	0	NW. by N. 7	21st 15h.	14 20th 9 . 17
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	5	84	79	0	N. by E. 6	16th 11h.	12 16th 9 . 29
South Shields ..	61	12	—	—	—	—	22	98	50	0	W. by N. 8	20th 22h.	11 20th 16 . 58
Spurn Head	40	‡	—	—	—	—	36	78	51	3	N. 9	21st 14h.	13 20th 19 . 22
3. ENGLAND, E.													
Gorleston	42	‡	—	—	21st	3	36	129	0	0	— 11	21st 14h.	16 21st 14 . 10
Shoeburyness ..	90	‡	—	—	—	—	11	129	13	15	SSW. 8	16th 17h.	12 15th 14 . 56
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	6	72	81	9	NW. 6	21st 14h.	13 17th 16 . 14
5. ENGLAND, S.E.													
Dover	40	‡	—	—	—	—	36	74	58	0	— 9	21st 9h.	15 21st 10 . 35
Warlingham ..	33	‡	—	—	—	—	—	70	71	27	— 5	15th 13h.	10 16th 14 . 4
Brighton	53	6	Record defective.										
Kew†	65	6 / 22 ‖	—	—	—	—	—	85	83	0	NW. 5	21st 9h.	11 17th 14 . 33
South Kensington ..	92	30	—	—	—	—	—	42	126	0	NNW. 3	21st 16h.	8 16th 17 . 14
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	1	41	126	0	W. by N. 6	21st 14h.	9 21st 14 . 18
Southport	62	48	—	—	16, 20, 21	17	69	73	9	0	W. 14	16th 16h.	17 16th 16 . 26
Holyhead*	40	‡	—	—	—	—	53	110	5	0	WNW. 10	20th 22h.	13 20th 21 . 55
8. ENGLAND, S.W.													
Pendennis Castle§ ..	65	24	—	—	—	—	16	91	37	24	NW. 7	15th 17h.	11 15th 9 . 48
Plymouth	88	2	—	—	15-17, 19-21	37	18	16	97	0	— 14	16th 18h.	19 16th 13 . 38
10. IRELAND, S.													
Quilty	40	‡	—	—	—	—	90	64	14	0	— 10	15th 14h.	14 15th 6 . 48
Weaver Pt.	30	‡	—	—	—	—	—	—	—	—	— —	— —	— — —
11. ENGLISH CHANNEL.													
Scilly*	32 / 19	‡	—	—	—	—	11	86	71	0	WNW. 7	15th 1h.	10 15th 4 . 15

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTY-THIRD WEEK—August 15th to August 21st, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	70	45	60·5	50·8	55·4	+ 0·6	94	+ 5	0	0	4	− 1	0·31	8	− 15	1·9	−2·0	12	1018
Eastern.																			
1. SCOTLAND, EAST ...	73	39	62·8	49 7	55·9	0·0	97	− 1	0	0	3	− 1	0·47	12	− 7	2·8	−2·1	19	1018
2. ENGLAND, N.E.	72	44	64·4	52·0	57·8	− 0·2	111	− 1	0	0	3	− 1	0·27	7	− 8	3·9	−1·3	26	1017
3. ENGLAND, EAST ...	71	45	66·1	51·6	58·4	− 1·4	115	− 11	0	0	2	− 1	0 49	12	− 2	5·4	−0·7	37	1017
4. MIDLAND COUNTIES ...	71	41	66·8	50·7	58·3	− 0·8	114	− 5	0	0	2	− 2	0·27	7	− 8	4·4	−1·2	30	1018
5. ENGLAND, S.E.	74	41	67·8	51·4	59·1	− 2·0	120	− 14	0	0	3	0	0·31	8	− 6	6·4	−0·2	44	1017
Western.																			
6. SCOTLAND, WEST ...	70	42	64·9	50·3	57·2	+ 0·5	106	+ 3	0	0	2	− 3	0·42	11	− 15	6·6	+1·5	44	1018
7. ENGLAND, N.W.	69	43	64·3	52·3	57·9	− 0·4	111	− 4	0	0	2	− 2	0·67	17	− 3	5·5	+0·4	38	1018
8. ENGLAND, S.W.	74	43	66·1	51·8	58·6	− 0·7	116	− 6	0	0	1	− 3	0 11	3	− 16	8·3	+2·1	57	1019
9. IRELAND, NORTH ...	67	44	62·7	50·8	56·4	− 0·7	101	− 4	0	0	2	− 3	0·19	5	− 18	5·1	+0 6	34	1021
10. IRELAND, SOUTH ...	71	46	65·7	51·8	58·3	− 0·1	114	− 1	0	0	2	− 2	0 15	4	− 21	6·8	+1·6	47	1022
11. ENGLISH CHANNEL ...	72	51	66·8	54·5	60·3	− 1·4	128	− 8	0	0	0	− 4	0·00	0	− 15	10·5	+2·6	74	1020

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 12 Weeks, May 30th to August 21st, 1915.

0. SCOTLAND, NORTH ...	78	34	60·7	48·1	53·9	*	1004	+ 7	0	− 4	46	− 5	6·66	169	− 60	4·7	+0·2	27	1013
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·4	47·2	54·8	*	1078	− 43	3	0	45	+ 1	8·16	208	+ 21	5·2	−0·3	31	1013
2. ENGLAND, N.E.	85	31	65·2	49·9	57·0	*	1259	0	0	0	39	+ 1	6·89	176	+ 19	5·8	−0·3	36	1014
3. ENGLAND, EAST ...	90	31	67·2	51·6	58·9	*	1415	− 5	0	0	40	+ 5	7·84	200	+ 51	6·4	−0·2	40	1014
4. MIDLAND COUNTIES ...	87	31	67·3	49·4	57·8	*	1324	− 59	0	− 1	38	+ 1	8·13	207	+ 47	5·7	−0·3	36	1015
5. ENGLAND, S.E.	88	29	66·9	51·8	58·9	*	1418	− 76	0	0	33	0	5·86	149	+ 5	6·4	−0·5	40	1015
Western.																			
6. SCOTLAND, WEST ...	76	30	64·0	49·1	56·1	*	1183	− 10	0	− 1	41	− 4	7·38	189	− 52	5·9	+0·1	36	1014
7. ENGLAND, N.W.	77	32	64·4	50·7	57·1	*	1267	− 42	0	0	38	− 3	7·81	201	+ 6	6·0	−0·1	37	1014
8. ENGLAND, S.W.	79	28	64·7	51·4	57·6	*	1314	− 70	0	0	40	0	8·75	223	+ 37	6·1	−0·5	39	1015
9. IRELAND, NORTH ...	75	34	62·4	49·7	55·7	*	1148	− 58	0	0	55	+ 5	9·03	229	+ 11	5·0	0·0	30	1014
10. IRELAND, SOUTH ...	78	34	64·7	51·3	57·6	*	1305	− 31	0	0	54	+11	9·97	254	+ 41	5·4	−0·2	34	1015
11. ENGLISH CHANNEL ...	81	43	64·7	54·2	59·1	*	1435	− 60	0	0	31	− 9	5·83	148	0	7·2	−0·8	46	1016

THE YEAR.—Aggregates, &c., for the Period of 33 Weeks, January 3rd to August 21st, 1915.

0. SCOTLAND, NORTH ...	80	12	51·8	40·0	45·7	*	1366	− 19	503	− 54	144	− 7	27·08	687	− 57	3·7	+0·1	27	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	53·3	38·8	45·7	*	1483	−102	630	+ 10	127	+ 3	18·99	483	+ 23	4·2	−0·1	32	1011
2. ENGLAND, N.E.	85	20	54·7	41·4	47·8	*	1752	+ 14	403	− 72	115	+ 3	16·02	406	+ 43	4·6	0·0	35	1012
3. ENGLAND, EAST ...	90	18	56·1	42·5	49·0	*	2006	− 17	381	−140	119	+11	17·97	459	+111	4·9	−0·1	37	1013
4. MIDLAND COUNTIES ...	87	19	56·7	41·0	48·5	*	1950	− 64	451	− 82	108	0	18·68	475	+ 82	4·5	0·0	34	1013
5. ENGLAND, S.E.	88	15	56·7	43·3	49·7	*	2103	− 63	318	− 63	99	− 3	19·11	489	+114	4·9	−0·1	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	54·4	41·0	47·4	*	1681	− 28	434	+ 9	123	− 8	23·30	593	− 85	4·8	+0·4	36	1012
7. ENGLAND, N.W.	77	21	54·7	42·4	48 3	*	1799	− 52	344	− 42	112	− 7	21·03	536	+ 43	4·9	+0·4	37	1012
8. ENGLAND, S.W.	79	17	55·7	43·7	49·3	*	1984	− 76	298	− 3	117	0	24·37	619	+ 86	4·8	−0·1	37	1013
9. IRELAND, NORTH ...	75	20	54·0	42·0	47·8	*	1692	− 97	352	+ 7	142	0	21·25	542	− 19	4·1	0·0	31	1012
10. IRELAND, SOUTH ...	78	21	56·0	43·6	49·6	*	2022	− 46	284	+ 25	141	+15	24·33	623	+ 31	4·5	0·0	34	1013
11. ENGLISH CHANNEL ...	81	27	56·2	46·5	51·2	*	2240	− 79	120	+ 11	113	−11	18·96	478	+ 40	5·4	−0·6	41	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., August 25th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 34. THIRTY-FOURTH WEEK, SUNDAY, AUGUST 22ND, TO SATURDAY, AUGUST 28TH, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

Over a large portion of the Kingdom the weather was fine and dry, and at a great number of stations there was no rain until late on Saturday. In the extreme north and north-west of Scotland, however, the general condition was unsettled, and slight falls of rain were of frequent occurrence. Temperature was above the average, the difference ranging from 3°·4 in Scotland E. to less than 1° in the Midland Counties, England E. and S.E. and the English Channel. Maximum readings above 70° were recorded in all districts except England N.W., the highest being 77° late in the period in England E. and S.E. Rainfall was only slightly less than the average in Scotland N., but generally the deficit was very large. In England S.E. and the English Channel district the weather was rainless, and in England E. and S.W. the total measurement did not amount to more than a millimetre. Less than the normal duration of bright sunshine was recorded in Scotland N. and W. and Ireland N., but in all other districts the amount was in excess of the average. The mean daily duration ranged from less than 3 hrs. in Ireland N. to more than 7 hrs. in England N.E., E. and S.E. to more than 7½ hrs. in England S.W., and to nearly 10 hours in the English Channel.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate
	Rainfall ...	Moderate	Light	Light	Very light	Very light	Nought	Light	Light	Very light	Very light	Very light	Nought
	Sunshine ...	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Scanty	Abundant	Abundant	Scanty	Moderate	Abundant

THE SEASON.

SUMMER. 13 weeks from May 30th, 1915.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

PAST SEASONS.

SUMMER, 1914. May 31st–Aug. 29th. 13 weeks.	Warmth ...	5, 8, 0	6, 4, 3	6, 6, 1	6, 6, 1	5, 6, 2	5, 6, 2	7, 4, 2	5, 7, 1	5, 6, 2	6, 6, 1	4, 7, 2	5, 5, 3
	Rainfall ...	2, 7, 4	2, 7, 4	3, 5, 5	3, 5, 5	3, 6, 4	2, 7, 4	2, 4, 7	4, 6, 3	5, 5, 3	2, 4, 7	4, 7, 2	7, 3, 3
	Sunshine ...	6, 5, 2	4, 6, 3	4, 4, 5	5, 5, 3	6, 2, 5	5, 6, 2	3, 6, 4	6, 3, 4	3, 5, 5	5, 5, 3	4, 5, 4	1, 6, 6
AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, ?, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, August 28th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	62	59	60·3	+2·5
Wick	51	50	51·0	−2·4	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	56	53	54·4	−0·3
Ballantrae	63	58	60·9	+3·8	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	64	60	62·7	−0·2
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	62	60	60·5	0·0	Eastbourne‡	64	63	63·5	−0·3
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	60	58	59·3	−0·6	Port Erin	60	57	58·3	+1·3

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5922—19.) Wt. 160—610. 450. 9/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
p Baltasound	*31*													•			•	•	•	•	•	•	*Baltasound.*
a, Islands.. *a* Lerwick	54	58	23, 24	45	28th	56·1	50·4	53·1	+ 1·0	7	1·02	26	—	2·7	- 1·1	18	•	•	•	•	•	•	Deerness.
a Stornoway	51	63	24th	49	28th	60·3	51·9	55·9	+ 2·1	6	0·60	15	- 9	2·8	- 1·4	19	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*61*	*23, 24*	*54*	*27, 28*	*59·7*	*55·3*	*57·4*	*+ 3·0*	*5*	*0·20*	*5*	—	*1·8*	—	*12*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	67	26th	49	25, 28	62·4	52·1	56·9	+ 2·9	4	0·07	2	- 14	•	•	•	•	•	•	•	•	•	
b, Main- *p* Strathpeffer	200	67	22, 24, 26	47	28th	65·3	53·1	58·8	+ 4·0	2	0·04	1	- 14	3·6	- 0·3	24	•	•	•	•	•	•	Strathpeffer.
land. *p* Glencarron	500	62	24, 26	44	28th	59·2	52·6	55·7	+ 2·4	6	1·94	49	+ 6	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	69	24th	47	28th	64·3	54·9	59·3	+ 4·0	4	0·21	5	- 16	3·9	+ 1·0	27	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	71	24th	44	28th	64·7	53·1	58·6	+ 3·1	6	0·91	23	- 14	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.														6·3	—	43	0	37	59·6	+2·4	56·3	+0·6	Crathes.
p Gordon Castle	101	71	23, 24, 27	46	28th	68·6	53·0	60·3	+ 4·7	3	0·17	4	- 15	*4·9*	—	*33*	•	•	•	•	•	•	*Gordon Castle.*
a Nairn	82	70	24th	52	28th	65·4	54·3	59·5	+ 4·1	2	0·05	1	- 13	4·6	—	31	•	•	•	•	•	•	Nairn.
a Aberdeen	46	75	23rd	50	26th	68·1	53·4	60·3	+ 4·6	2	0·06	1	- 15	6·4	+ 1·6	44	•	•	•	•	54·4	+0·2	Aberdeen.
a Balmoral	930	76	25th	43	27th	71·4	48·0	59·0	+ 6·5	2	0·19	5	- 16	•	•	•	0	40	•	•	•	•	Balmoral.
p Crieff	432	70	28th	44	28th	68·9	51·7	59·8	+ 3·3	1	0·36	9	- 15	6·0	—	41	•	•	•	•	•	•	Balruddery.
a Leith	18	68	22nd	53	27th	66·7	55·4	60·7	+ 3·0	1	0·35	9	- 7	•	•	•	•	•	•	•	•	•	
a West Linton	769	64	23rd	45	24th	61·0	48·9	54·6	+ 1·6	1	0·40	10	—	*1·6*	—	*11*	0	40	•	•	•	•	*West Linton.*
p Marchmont	498	70	23rd	45	28th	65·9	50·0	57·5	+ 2·7	1	0·58	15	- 4	4·9	+ 0·2	31	0	44	•	•	•	•	Marchmont.
a Edinburgh	*441*	*67*	*26, 28*	*45*	*28th*	*66·0*	*52·7*	*59·0*	—	*1*	*0·47*	*12*	—	4·7	—	33	0	50	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	62	25, 27, 28	55	26th	60·7	56·3	58·4	+ 2·0	6	0·48	12	- 16	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	65	25th	46	28th	62·6	54·1	58·1	+ 2·3	3	0·26	7	- 16	1·3	- 2·8	9	0	48	•	•	•	•	Glasgow.
p Rothesay†	170	66	23rd	47	28th	61·7	53·1	57·1	+ 0·9	6	0·35	9	- 19	*0·9*	—	*6*	0	40	59·4	•	57·0	+1·0	*Rothesay.*
a Kilmarnock	90	66	23rd	48	28th	62·9	53·4	57·9	+ 2·0	4	0·33	8	—	*1·3*	—	*9*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	70	25th	49	23rd	65·0	53·7	59·0	+ 2·2	3	0·10	3	- 22	•	•	•	•	•	•	•	•	•	
a Dumfries	180	68	25th	48	28th	65·1	52·1	58·2	+ 0·8	1	0·19	5	- 17	*3·3*	—	*23*	0	41	60·1	•	59·0	•	*Dumfries.*
Eskdalemuir	*799*	*65*	*25th*	*36*	*27th*	*63·0*	*47·3*	*54·7*	—	*2*	*0·24*	*6*	—	*3·1*	—	*22*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	69	25, 26	43	27th	66·9	49·3	57·6	+ 2·1	1	0·21	5	- 22	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas	277	69	25th	51	28th	65·6	53·4	59·1	+ 2·8	2	0·11	3	- 21	6·0	+ 0·5	42	0	46	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	72	25th	44	27th	68·7	49·9	58·7	+ 2·6	1	0·39	10	- 7	5·9	—	41	0	40	57·3	+1·0	56·2	+0·5	Cockle Park.
a Tynemouth	71	73	25th	49	27th	69·0	53·0	60·5	+ 3·5	1	0·28	7	- 8	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	74	25, 26	44	27th	70·4	49·6	59·4	+ 2·3	1	0·43	11	- 3	7·1	+ 2·4	49	0	39	•	•	•	•	Durham.
a, North .. *a* Rounton	249	73	23rd	43	27th	69·6	48·3	58·3	+ 1·8	2	0·43	11	- 4	•	•	•	0	40	60·1	•	•	•	Rounton.
a West Witton	*605*	*71*	*25th*	*47*	*24th*	*67·9*	*50·4*	*58·6*	—	*1*	*0·34*	*9*	—	•	•	•	0	40	59·3	•	55·0	•	*West Witton.*
p Scarborough	100	73	23rd	51	28th	68·9	53·9	61·0	+ 3·2	1	0·27	7	- 8	7·5	—	52	•	•	•	•	59·0†	•	Scarborough.
p York	56	73	23, 27	48	27th	71·4	51·1	60·6	+ 2·4	1	0·30	8	- 6	8·7	+ 4·0	61	•	•	61·0	+1·6	58·0	+0·4	York.
b, South .. *a* Spurn Head	26	73	25th	55	22–24, 27	68·7	55·4	61·7	+ 2·8	1	0·08	2	- 9	*5·1*	—	*36*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	73	26th	47	25, 27	70·9	50·2	59·9	+ 0·8	1	0·17	4	- 9	•	•	•	•	•	61·9	+1·5	59·1	+1·0	Lincoln.
a Fulbeck	180	74	25, 26	45	25, 27	71·1	48·4	59·1	+ 0·1	1	0·28	7	- 7	7·6	—	54	0	43	62·5	-0·1	58·0	-1·4	Rauceby.
														7·1	—	50	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	69	23rd	54	24, 25, 28	66·0	55·1	60·2	+ 1·7	1	0·06	1	—	8·3	—	59	•	•	•	•	•	•	Cromer.
p Little Massingham	280	77	24th	49	24, 27	70·1	51·1	60·0	+ 1·1	1	0·12	3	- 13	6·3	+ 0·6	45	0	46	•	•	•	•	Lit. Massingham.
a, North .. *a* Yarmouth	17	71	25th	52	22, 28	67·1	53·6	60·0	+ 0·6	0	0·00	0	- 13	7·5	—	53	•	•	63·1?	-1·0	61·0	-1·3	Yarmouth.
a Norwich	93	73	25th	47	26th	70·4	50·7	60·0	+ 0·4	1	0·03	1	—	*7·0*	—	*50*	0	43	62·0	•	•	•	*Norwich.*
a Geldeston	37	74	27th	47	26th	71·3	51·0	60·5	+ 1·5	0	0·00	0	- 13	6·9	+ 0·9	49	•	•	•	•	•	•	Geldeston.
p Cambridge	41	75	26th	47	28th	71·4	50·4	60·3	+ 0·3	1	0·04	1	- 12	8·0	+ 2·1	57	0	48	64·2	+2·1	61·2	+0·7	Cambridge.
a Clacton-on-Sea	54	70	28th	54	27th	68·0	54·1	60·6	- 0·1	0	0·00	0	—	8·0	—	57	0	49	62·3	+0·8	60·8	+0·2	Clacton.
b, South .. *a* Rothamsted	424	72	26th	47	28th	68·1	51·3	59·2	+ 0·6	0	0·00	0	- 14	6·5	+ 0·6	46	0	49	61·2	•	•	•	Rothamsted.
p Tottenham	51	75	26th	52	26th	70·9	54·7	62·3	+ 2·1	0	0·00	0	—	7·2	—	51	0	49	•	•	61·9	-0·4	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479													•	•	•	•	•	•	•	•	•	Harrogate.
p Buxton	*987*	*67*	*26, 27*	*46*	*26th*	*64·0*	*49·4*	*56·3*	*+ 1·0*	*2*	*0·51*	*13*	*- 12*	*6·6*	—	*46*	0	38	57·8	-0·7	56·3	+0·8	*Buxton.*
a Bawtry	65	70	27th	46	25th	68·7	49·7	58·6	+ 0·2	1	0·30	8	- 5	8·5	—	59	0	44	59·3	•	56·3	+0·5	Sheffield.
a Nottingham	82	73	26th	45	25th	69·6	48·9	58·6	0·0	1	0·12	3	- 11	6·1	+ 1·5	43	0	40	59·8	•	57·9	•	Worksop.
b, East .. *p* Birmingham, Edgbsn.	535	72	26th	50	24, 25	67·9	51·9	59·4	+ 1·2	1	0·25	6	- 9	7·0	—	50	0	41	60·4	+0·8	59·4	0·0	Nottingham.
a Raunds	203	76	26th	44	25, 27	72·7	48·3	59·8	+ 1·0	1	0·05	1	—	4·0	—	28	0	35	56·7	+0·1	54·0	-0·6	Birmingham.
p Oxford	208	76	26th	49	28th	71·4	53·1	61·7	+ 2·1	0	0·00	0	- 13	*8·2*	—	*58*	0	38	64·6	•	59·0	•	*Raunds.*
														7·8	+ 2·0	55	0	43	•	•	•	•	Oxford.
a Cheadle	646	72	26th	47	27th	67·9	49·6	58·2	+ 1·7	1	0·40	10	- 9	•	•	•	0	45	•	•	•	•	Cheadle.
p Shrewsbury	191	72	25, 26	43	25th	68·3	47·9	57·5	- 0·9	1	0·18	5	—	•	•	•	0	49	•	•	•	•	Shrewsbury.
c, West .. *a* Hereford§	291	73	26th	44	27th	69·9	48·3	58·5	- 0·4	1	0·05	1	- 13	*6·2*	—	*44*	0	39	62·6	•	60·7	•	*Malvern.*§
a Cirencester	446													•	•	•	•	•	•	•	•	•	Cirencester.
a Bath	66	75	26th	45	28th	70·9	50·4	60·0	+ 0·7	0	0·00	0	- 15	6·3	—	45	•	•	•	•	•	•	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	75	26th	43	28th	70·3	46·9	57·9	+ 0·5	0	0·00	0	- 15	8·4	—	60	0	46	63·5	-0·3	60·8	-0·6	Worthing.
a Margate	53	69	25, 28	57	24, 25	67·1	58·1	62·3	+ 1·1	0	0·00	0	- 11	7·0	+ 1·4	50	0	36	62·4	•	58·3	•	Marlborough.
a Wisley, Surrey	150	74	26th	47	27th	71·0	51·7	60·8	0·0	0	0·00	0	—	8·1	+ 2·1	57	0	49	64·9	+2·7	62·2	+1·8	Margate.
p Salisbury (Wilton)	180	77	26th	47	28th	73·4	49·9	61·0	+ 1·0	0	0·00	0	- 15	5·8	•	41	0	41	63·0	+0·9	59·8	-1·0	Wisley.
a Tunbridge Wells	354	74	28th	46	26, 28	71·1	50·9	60·4	+ 1·2	0	0·00	0	- 13	•	•	•	0	41	64·0	•	•	•	Salisbury.
														5·6	- 0·6	40	0	37	62·1	-1·1	60·5	•	Tunbridge Wells.
a Dungeness	21	69	27, 28	48	26th	67·6	52·9	59·8	- 1·0	0	0·00	0·1	- 11	•	•	•	•	•	•	•	•	•	
p Hastings	178	71	26, 28	54	22, 26, 27	68·4	55·3	61·5	+ 0·8	0	0·00	0	- 14	7·2	+ 0·5	51	0	49	63·0	•	60·9	•	Littlestone.
p Southampton	64	75	26, 27	52	28th	73·6	54·3	63·4	+ 2·0	0	0·00	0	- 15	8·2	+ 1·7	59	0	44	•	•	•	•	Hastings.
a Ventnor	59	73	27th	55	24, 28	71·0	56·4	63·3	+ 1·6	0	0·00	0	- 13	9·5	+ 3·3	68	•	•	•	•	•	•	Southampton.
																							Ventnor.
LONDON. *p* Kew	18	74	26th	51	26th	70·5	54·5	62·0	+ 2·0	0	0·00	0·1	- 13	6·0	+ 0·1	43	0	44	63·0	+1·1	59·5	+0·3	Kew.
a Westminster	*27*	*76*	*26th*	*53*	*28th*	*71·8*	*55·3*	*63·1*	*+ 2·5*	*0*	*0·00*	*0*	*- 13*	*4·7*	*- 0·5*	*33*	0	50	•	•	•	•	*Westminster.*
a Greenwich	*155*	*74*	*26th*	*50*	*26, 28*	*71·7*	*53·3*	*62·0*	*+ 0·9*	*0*	*0·00*	*0*	*12*	*5·0*	*- 1·5*	*35*	0	40	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*73*	*26th*	*51*	*26, 27*	*70·1*	*53·0*	*61·0*	—	*1*	*0·01*	*0*	—	*6·7*	—	*48*	0	40	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*78*	*26th*	*51*	*28th*	*74·6*	*54·3*	*63·8*	—	*0*	*0·00*	*0*	—	*6·2*	—	*44*	0	51	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	67	24, 25	48	27th	64·3	52·0	57·8	+ 1·3	1	0·14	4	- 21	6·9	—	48	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	69	25th	47	27th	65·6	52·0	58·4	+ 3·1	1	0·36	9	- 11	3·1	—	22	0	38	59·2	•	55·4	—	Aspatria.
p Stonyhurst	375	67	25th	42	27th	64·1	50·4	56·8	+ 0·1	0	0·00	0	- 28	3·8	- 1·0	26	0	37	60·3	+1·5	58·6	0·0	Newton Rigg.
p Blackpool	66	68	25th	49	27th	61·4	55·1	58·5	+ 1·5	1	0·46	12	- 9	4·7	- 0·1	33	0	39	•	•	•	•	Stonyhurst.
a Southport	*37*	*66*	*25th*	*53*	*26th*	*63·6*	*56·0*	*59·6*	*+ 1·6*	*1*	*0·54*	*14*	*- 7*	6·1	+ 1·0	43	0	41	61·6	•	58·0	•	Blackpool.
a Liverpool (Bidston)	188	66	25th	55	25, 26	63·6	55·9	59·5	+ 1·8	1	0·31	8	- 10	*6·1*	*+ 0·7*	*43*	0	46	63·8	+1·8	61·6	+0·5	*Southport.*
a Hawarden Bridge	*22*	*69*	*25th*	*47*	*25, 26*	*65·3*	*53·6*	*59·1*	*- 0·2*	*1*	*0·23*	*7*	*- 10*	*6·7*	—	*47*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	69	25th	48	26, 27	66·1	52·3	58·8	+ 0·9	1	0·50	13	- 3	*4·9*	—	*34*	0	46	61·3	+1·2	60·8	+1·2	*Manchester (City)*
														4·8	*+ 0·8*	*34*	•	•	•	•	•	•	" *(Whit. Park)*
b NORTH WALES.																							
p Llandudno	71	69	24, 25	50	28th	66·7	51·0	60·0	+ 0·9	1	0·37	9	- 8	5·9	+ 0·7	41	•	•	•	•	•	•	Llandudno.
a Holyhead	15	69	24th	53	26th	66·1	55·4	60·4	+ 1·8	1	0·16	4	- 14	*7·0*	—	*49*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*70*	*23rd*	*45*	*25, 26*	*66·9*	*48·3*	*57·0*	*- 1·4*	*0*	*0·00*	*0*	—	*4·9*	—	*35*	•	•	56·6	-0·8	55·0	-0·4	*Bettws-y-Coed.*
														7·5	—	53	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th, 1914. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. in Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
														7·2	—	51	•	•	•	•	•	•	
8. *a*, SOUTH WALES																							
a Llangammarch Wells	550	72	26th	39	28th	67·9	44·9	55·7	− 1·0	1	0·04	1	—	4·9	—	35	0	36	59·5	+0·4	55·7	−0·3	Aberystwyth. Llangammarch.
a Pembroke	149	71	26th	52	25th	64·4	54·9	59·4	+ 1·1	0	0·00	0	− 17	6·9	+ 0·8	49	•	•	•	•	•	•	Pembroke.
p Cardiff	202	72	26th	48	24th	69·0	52·1	60·0	+ 0·3	0	0·00	0	− 24	*6·3*	—	*45*	0	46	61·9	+0·2	58·9	−1·0	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	75	26th	51	28th	70·4	53·4	61·4	+ 1·2	0	0·00	0	− 20	*6·1*	—	*43*	0	50	•	•	•	•	*Clifton.*
a Shaftesbury	722	73	26th	51	22, 28	69·9	53·3	61·1	+ 2·9	1	0·06	2	− 15	•	•	•	•	•	63·3	•	60·3	•	Shaftesbury.
a Arlington	613	72	26th	45	24th	67·4	49·7	58·0	+ 0·7	1	0·03	1	− 28	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*68*	*26th*	*47*	*23, 24*	*65·3*	*53·0*	*58·8*	− *0·8*	*1*	*0·08*	*2*	− *11*	8·6	+ 2·0	61	0	44	63·2	•	60·0	•	Newquay.
a Cullompton	202	75	26th	42	24th	72·1	48·0	59·3	+ 0·5	0	0·00	0	− 17	7·3	+ 1·5	52	0	43	61·5	•	•	•	Cullompton.
a Portland Bill	19	69	25-28	55	22nd	68·0	56·6	62·0	+ 1·3	0	0·00	0	—	*9·4*	—	67	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	75	27th	52	23rd	70·6	55·0	62·3	+ 2·2	1	0·01	0·3	− 16	9·0	+ 2·8	64	•	•	62·6	−0·8	59·8	•	Plymouth.
a Falmouth	167	73	27th	51	23rd	69·0	54·3	61·2	+ 1·7	1	0·11	3	− 16	9·3	+ 2·6	66	0	45	65·7	•	62·8	•	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	63	23, 24	54	28th	61·4	55·9	58·5	+ 2·2	5	0·20	5	− 15	*1·6*	•	*11*	•	•	•	•	•	•	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	65	23rd	53	27th	62·6	55·0	58·6	+ 1·6	3	0·17	4	− 24	•	•	•	•	•	•	•	•	•	
p Markree Castle ..	122	68	23, 25	45	24th	65·9	50·1	57·5	+ 1·7	3	0·25	6	− 19	2·5	− 1·6	18	0	40	60·1	•	56·9	•	Markree Castle.
a Birr Castle	175	70	25, 26	48	25th	66·6	50·9	58·3	+ 1·2	1	0·16	4	− 19	*4·5*	− *0·1*	*32*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	69	25th	50	23, 27	66·6	51·7	58·7	+ 2·4	1	0·11	3	− 19	2·8	− 1·3	20	0	39	60·3	+0·1	57·5	−0·8	Armagh.
a Donaghadee	101	68	24, 25	50	23rd	65·3	53·4	59·0	+ 2·2	1	0·08	2	− 18	•	•	•	•	•	•	•	•	•	
														•	•	•	0	46	60·3	0·0	58·0	−0·5	Trinity Coll.
														5·1	− 0·1	36	0	42	•	•	•	•	Phœnix Park.
10. IRELAND, S.																							
p Dublin, City	47	68	25th	52	23rd	66·3	54·3	59·9	+ 1·1	1	0·18	5	− 14	•	•	•	0	48	•	•	•	•	Dublin City.
a. East .. *a* Kilkenny	212	71	26th	45	23rd	68·1	50·7	58·9	+ 1·5	1	0·03	1	− 20	•	•	•	•	•	•	•	•	•	
a Waterford	30	71	26th	50	22, 23	67·4	52·7	59·6	+ 1·5	0	0·00	0	− 23	•	•	•	•	•	•	•	•	•	
a Seskin, Carrick-on-Suir	*541*	*72*	*26th*	*50*	*25th*	*67·0*	*51·9*	*59·0*	—	*2*	*0·04*	*1*	—	*3·9*	—	*28*	0	47	•	•	•	•	*Seskin.*
a Birr Castle	175	70	25, 26	48	25th	66·6	50·9	58·3	+ 1·2	1	0·16	4	− 19	4·5	− 0·1	32	•	•	•	•	•	•	Birr Castle.
a Foynes	50	68	25th	50	25th	66·3	54·0	59·8	+ 1·9	2	0·09	2	− 21	•	•	•	•	•	•	•	•	•	
a Cahir	199	72	26th	46	23, 25	68·3	49·9	58·6	+ 1·1	1	0·03	1	—	•	•	•	•	•	•	•	•	•	
b, West .. *a* Killarney ..	174	73	25, 26	45	25th	69·9	52·0	60·4	+ 2·5	2	0·19	5	− 22	•	•	•	•	•	•	•	•	•	
a Valencia	30	71	26th	46	25th	66·0	51·9	58·5	+ 0·3	1	0·04	1	− 28	7·5	+ 2·6	53	•	•	•	•	•	•	Valencia.
a Roche's Point	32	68	25, 26	51	25th	65·9	53·9	59·5	+ 1·0	2	0·07	2	− 21	3·6	—	26	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	69	24, 25	54	23rd	66·9	56·7	61·5	+ 1·1	0	0·00	0	− 14	9·7	+ 2·5	69	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	75	25, 27	50	23rd	71·1	56·3	63·3	+ 0·9	0	0·00	0	− 14	9·5	+ 1·9	68	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	73	25th	51	23, 24	70·4	54·9	62·2	+ 0·8	0	0·00	0	− 15	10·4	+ 2·8	74	0	46	64·5	+0·3	62·9	+0·6	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, August 28th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	‡15**	—	—	—	—	—	93	58	17	WNW.	5	12 28th 4 . 11
Aberdeen*	105	37 ‖ 52 ‖	—	—	—	—	3	110	55	0	SW. by W.	5	14 23rd 16 . 24
Edinburgh	39	31	—	—	—	—	101	67	0	0	WSW.	9	14 25th 14 . 50
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	—	—	46	106	16	0	W. by N.	8	15 22nd 17 . 47
Paisley (Coats Obs.)	81	52	—	—	—	—	22	141	5	0	WNW.	8	15 23rd 16 . 27
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	—	61	107	0	W.	5	11 22nd 21 . 45
South Shields ..	61	12	—	—	—	—	59	100	9	0	N.	9	16 28th 17 . 35
Spurn Head	40	‡	—	—	—	—	6	60	73	29	—	—	— — —
3. ENGLAND, E.													
Gorleston	42	‡	—	—	—	—	12	133	23	0	—	7	9 22nd 9 . 12
Shoeburyness ..	90	‡	—	—	—	—	2	112	51	0	—	6	7 22nd 21 . 17
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	—	66	102	0	N.	4	8 28th 17 . 45
5. ENGLAND, S.E.													
Dover	40	‡	—	—	—	—	9	67	92	0	—	8	11 22nd 7 . 50
Warlingham ..	33	‡	No Record—instrument under repair.										
Brighton	53	6											
Kew†	65	6 ‖ 22 ‖	—	—	—	—	—	39	129	0	E. by N.	3	6 23rd 11 . 40
South Kensington ..	92	30	—	—	—	—	—	9	159	0	SW.	2	5 23rd 13 . 20
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	—	86	82	0	W. by N.	5	9 26th 14 . 17
Southport	62	48	—	—	—	—	116	40	12	0	W.	10	12 22nd 22 . 34
Holyhead*	40	‡	—	—	—	—	4	103	61	0	NW. by W.	6	10 28th 21 . 50
8. ENGLAND, S.W.													
Pendennis Castle§ ..	65	24	—	—	—	—	20	77	47	24	NNW.	8	11 27th 18 . 22
Plymouth	88	2	—	—	23, 24, 26 to 28	15	23	17	113	0	—	13	17 28th 16 . 40
10. IRELAND, S.													
Quilty	40	‡	—	—	—	—	51	101	16	0	—	9	13 26th 17 . 56
Weaver Pt.	30	‡	—	—	—	—	—	—	—	—	—	—	— — —
11. ENGLISH CHANNEL.													
Scilly*	32 19	‡	—	—	—	—	9	94	64	1	ENE.	7	11 28th 13 . 42

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

‡ Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.

‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTY-FOURTH WEEK—August 22nd to August 28th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	° c	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	71	44	61·8	52·6	56·9	+ 2·5	104	+ 17	0	0	5	+ 1	0·68	17	− 8	3·3	−0·5	22	1016
Eastern.																			
1. SCOTLAND, EAST ...	76	43	67·0	51·8	59·0	+ 3·4	119	+ 24	0	0	2	− 2	0·27	7	− 12	5·5	+0·7	38	1018
2. ENGLAND, N.E.	74	43	69·9	51·1	59·9	+ 2·4	125	+ 16	0	0	1	− 3	0·29	7	− 9	7·3	+2·3	51	1021
3. ENGLAND, EAST ...	77	47	69·3	52·4	60·3	+ 0·9	128	+ 6	0	0	1	− 3	0 03	1	− 13	7·3	+1·5	52	1022
4. MIDLAND COUNTIES ...	76	43	69·7	49·8	59·1	+ 0·7	120	+ 5	0	0	1	− 2	0·15	4	− 13	6·6	+1·4	47	1022
5. ENGLAND, S.E.	77	43	70·4	53·1	61·2	+ 0·6	134	+ 4	0	0	0	− 4	0·00	0	− 16	7·3	+1·1	52	1022
Western.																			
6. SCOTLAND, WEST ...	70	43	63·8	53·2	58·2	+ 1·9	113	+ 13	0	0	3	− 1	0·25	7	− 21	3·7	−1·2	25	1021
7. ENGLAND, N.W.	69	42	65·1	53·4	58·9	+ 1·0	118	+ 7	0	0	1	− 3	0·29	7	− 16	5·4	+0·6	38	1023
8. ENGLAND, S.W.	75	39	68·9	52·2	60·0	+ 1·1	126	+ 7	0	0	1	− 3	0 03	1	− 21	7·6	+1·7	54	1023
9. IRELAND, NORTH ...	70	45	64·7	52·8	58·4	+ 1·9	115	+ 13	0	0	2	− 3	0·16	4	− 20	2·7	−1·6	19	1022
10. IRELAND, SOUTH ...	73	45	67·2	52·3	59·3	+ 1·4	121	+ 9	0	0	1	− 4	0·09	2	− 23	5·2	+0·3	37	1024
11. ENGLISH CHANNEL ...	75	50	69·5	56·0	62·3	+ 0·9	142	+ 6	0	0	0	− 4	0·00	0	− 15	9·9	+2·7	71	1022

THE SEASON (**Summer**).—Aggregates, &c., for the Period of 13 Weeks May 30th to August 28th, 1915.

0. SCOTLAND, NORTH ...	78	34	60·8	48·4	54·1	*	1108	+ 24	0	− 4	51	− 4	7·59	193	− 61	4·6	+0·2	27	1014
Eastern.																			
1. SCOTLAND, EAST ...	77	28	63·7	47·5	55·1	*	1197	− 19	3	0	47	− 1	8·43	215	+ 9	5·2	−0·3	32	1014
2. ENGLAND, N.E.	85	31	65·5	50·0	57·2	*	1384	+ 16	0	0	40	− 2	7·18	183	+ 10	5·9	−0·1	37	1015
3. ENGLAND, EAST ...	90	31	67·4	51·6	59·0	*	1543	+ 1	0	0	41	+ 2	7·87	201	+ 38	6·5	−0·1	41	1015
4. MIDLAND COUNTIES ...	87	31	67·5	49·4	57·9	*	1444	− 54	0	− 1	39	− 1	8·28	211	+ 34	5·8	−0·2	37	1015
5. ENGLAND, S.E.	88	29	67·2	51·9	59·0	*	1552	− 72	0	0	33	− 4	5·86	149	− 11	6·5	−0·3	41	1015
Western.																			
6. SCOTLAND, WEST ...	76	30	64·0	49·4	56·2	*	1296	+ 3	0	− 1	44	− 5	7·59	195	− 74	5·7	−0·1	35	1014
7. ENGLAND, N.W.	77	32	64·5	50·9	57·2	*	1385	− 35	0	0	39	− 6	8·10	208	− 10	6·0	+0·1	37	1015
8. ENGLAND, S.W.	79	28	65·1	51·4	57·8	*	1440	− 63	0	0	41	− 3	8·78	224	+ 16	6·2	−0·3	40	1015
9. IRELAND, NORTH ...	75	34	62·6	50·0	55·9	*	1263	− 45	0	0	57	+ 2	9·19	233	− 9	4·8	−0·1	30	1014
10. IRELAND, SOUTH ...	78	34	64·9	51·4	57·7	*	1426	− 22	0	0	55	+ 7	10·06	256	+ 18	5·4	−0·1	34	1016
11. ENGLISH CHANNEL ...	81	43	65·0	54·3	59·3	*	1577	− 54	0	0	31	−13	5·83	148	− 17	7·4	−0·5	48	1017

THE YEAR.—Aggregates, &c., for the Period of 34 Weeks, January 3rd to August 28th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·1	40·4	46·0	*	1470	− 2	503	− 54	149	− 6	28·01	711	− 58	3·7	+0·1	27	1010
Eastern.																			
1. SCOTLAND, EAST ...	80	11	53·7	39·2	46·1	*	1602	− 78	630	+ 10	129	+ 1	19·26	490	+ 11	4·3	0·0	32	1011
2. ENGLAND, N.E.	85	20	55·1	41·7	48·1	*	1877	+ 30	403	− 72	116	0	16·31	413	+ 34	4·7	+0·1	35	1012
3. ENGLAND, EAST ...	90	18	56·5	42·8	49·3	*	2134	− 11	381	−140	120	+ 8	18·00	460	+ 98	5·0	0·0	37	1013
4. MIDLAND COUNTIES ...	87	19	57·1	41·2	48·8	*	2070	− 59	451	− 82	109	− 2	18·83	479	+ 69	4·6	+0·1	34	1013
5. ENGLAND, S.E.	88	15	57·1	43·6	50·0	*	2237	− 59	318	− 63	99	− 7	19·11	489	+ 98	5·0	−0·1	38	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	54·7	41·4	47·8	*	1794	− 15	434	+ 9	126	− 9	23·51	599	−107	4·7	+0·3	35	1012
7. ENGLAND, N.W.	77	21	55·0	42·7	48·6	*	1917	− 45	344	− 42	113	−10	21·32	543	+ 27	4·9	+0·4	37	1013
8. ENGLAND, S.W.	79	17	56·1	44·0	49·6	*	2110	− 69	298	− 3	118	− 3	24·40	620	+ 65	4·9	−0·1	37	1014
9. IRELAND, NORTH ...	75	20	54·3	42·3	48·1	*	1807	− 84	352	+ 7	114	− 3	21·41	546	− 39	4·1	0·0	31	1012
10. IRELAND, SOUTH ...	78	21	56·4	43·9	49·9	*	2143	− 37	284	+ 25	142	+11	24·42	625	+ 8	4·5	0·0	34	1014
11. ENGLISH CHANNEL ...	81	27	56·6	46·8	51·5	*	2382	− 73	120	+ 11	113	−15	18·96	478	+ 23	5·5	−0·5	42	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., September 1st, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 137

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 35. THIRTY-FIFTH WEEK, SUNDAY, AUGUST 29TH, TO SATURDAY, SEPTEMBER 4TH, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The chief feature of the weather conditions was the very low temperature. In nearly all parts of Great Britain the mean for the week was 5° or more below the average for the time of year, and in Ireland more than 3°·5 below. During the latter half of the period many stations recorded maximum readings below 60°, while in several localities the minima of the night were below 35°. At West Linton on September 4th the thermometer fell to 26° in the screen and to 24° on the grass, and on the same day the corresponding readings at Llangammarch Wells were 31° and 29°. Grass readings a little below 32° were common over a very extensive area. Rain was of frequent occurrence, but varied greatly in amount. In England East and North-East and also in the English Channel it exceeded the normal, but elsewhere it was less, the deficit being large except in Scotland East. On August 31st 26 mm. fell at Edinburgh and Worthing, and on the following day there was 28 mm. at York. Thunderstorms were experienced in various parts of the Kingdom on September 1st and 2nd, and locally on the 3rd. Bright sunshine was less than the average in Scotland North and England East and South-East, but above it elsewhere, the excess reaching 2 hours per day in England North-West and 2·4 hours per day in Ireland South.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Light	Moderate	Heavy	Moderate	Light	Moderate	Very light	Moderate	Light	Light	Light	Light
	Sunshine ...	Scanty	Moderate	Moderate	Scanty	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate

THE SEASON.

AUTUMN. 1 week from Aug. 29th, 1915.	Warmth ...	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1
	Rainfall ...	0, 0, 1	0, 1, 0	1, 0, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1
	Sunshine ...	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, September 4th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	52	52	52·0	−0·7	Cleggan	60	57	58·6	+1·5
Wick	50	50	50·0	−3·3	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	54	50	52·3	−1·6
Ballantrae	59	56	57·3	+0·8	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	64	60	61·7	−0·7
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	61	60	60·3	+0·4	Eastbourne‡	63	60	61·3	−1·9
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	60	55	57·4	−1·6	Port Erin	58	56	56·5	−0·2

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(5967—19.) Wt. 160—610. 450. 9/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		In.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
p Baltasound	*31*																						*Baltasound.*
a, Islands.. *a Lerwick*	54	55	3rd	44	29,30,1,2	52·1	45·3	48·5	- 3·2	6	0·24	6	—	2·2	- 1·6	16							Deerness.
a Stornoway	51	56	31st	41	3rd	53·6	45·0	49·1	- 4·2	6	0·89	23	- 2	1·9	- 2·2	13							Stornoway.
a Castlebay, Barra Isd.	*37*	*57*	*29th*	*45*	3rd	*54·7*	*47·7*	*51·0*	- *3·1*	*5*	*1·39*	*35*	—	*2·6*	—	*19*							*Castlebay.*
a Wick	81	56	4th	37	3rd	53·1	43·7	48·2	- 5·3	7	0·57	15	- 1										
b, Main- *p* Strathpeffer	200	?80	4th	39	3rd	56·7	43·1	49·6	- 4·4	2	0·15	4	- 11	4·3	+ 0·4	30							Strathpeffer.
land. *p* Glencarron	500	56	31, 4	37	3rd	52·6	43·2	47·7	- 5·0	7	1·22	31	- 14										
p Fort Augustus..	68	61	4th	38	3rd	56·7	43·4	49·7	- 5·0	5	0·48	12	- 10	1·8	- 1·1	13							Fort Augustus.
p Fort William	171	61	4th	38	3rd	57·0	43·3	49·8	- 5·1	5	0·29	7	- 31										
1. SCOTLAND, E.																							
p Gordon Castle	101	61	31st	39	3rd	56·4	44·7	50·3	- 4·8	5	0·37	9	- 8	4·0	—	29	3	29	56·2	+0·2	56·4	+1·1	Crathes.
a Nairn	82	60	4th	38	3rd	56·1	43·9	49·7	- 5·1	6	0·34	9	- 5	*2·8*	—	*20*							*Gordon Castle.*
a Aberdeen	46	62	4th	38	3rd	57·4	43·7	50·2	- 4·9	3	0·12	3	- 12	2·7	—	19							Nairn.
a Balmoral	930	64	31, 4	34	31st	61·7	38·7	49·7	- 2·0	4	0·36	9	- 10	5·6	+ 1·0	40					54·3	+0·4	Aberdeen.
p Crieff	432	64	4th	37	31st	59·7	41·3	50·1	- 5·5	3	0·85	22	0				1	29					Balmoral.
a Leith	18	61	4th	41	31st	58·6	43·1	50·5	- 6·4	3	1·54	39	+ 25	6·1	—	44							Balruddery.
a West Linton	769	61	4th	26	4th	55·1	33·9	44·0	- 8·4	4	0·86	22	—										
p Marchmont	498	62	4th	32	4th	57·7	40·4	48·6	- 5·6	4	1·00	25	+ 7	*5·3*	—	*38*	3	24					*West Linton.*
a Edinburgh	*441*	*60*	*4th*	*40*	29th	*55·9*	*42·7*	*49·0*	—	*3*	*1·44*	*37*	—	5·7	+ 1·2	41	0	31					Marchmont.
														5·3	—	38	0	37					Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	58	3, 4	33	3rd	56·6	40·7	48·3	- 7·6	2	0·43	11	- 17										
p Glasgow Observatory	180	61	4th	40	31st	58·0	42·9	50·1	- 4·8	2	0·23	6	- 16	5·4	+ 1·5	39	2	29					Glasgow.
p Rothesay†	170	62	4th	41	29th	57·1	43·3	49·9	- 5·8	3	0·33	8	- 19	*5·5*	—	*39*	0	31	55·7		56·4	+0·7	*Rothesay.*
a Kilmarnock	90	63	4th	32	3rd	58·4	37·6	47·5	- 7·8	2	0·16	4	—	*6·3*	—	*45*							*Kilmarnock.*
a Colmonell	170	63	4th	32	3rd	59·9	39·3	49·1	- 7·3	3	0·30	8	- 16				1	28					
a Dumfries	160	62	4th	34	4th	57·9	41·9	49 0	- 8·1	2	0·12	3	- 18	*6·6*	—	*48*	1	30	55·7		58·4		*Dumfries.*
Eskdalemuir	*799*	*59*	*4th*	*28*	*4th*	*55·1*	*35·7*	*44·9*	—	*3*	*0·25*	*6*	—	*6·3*	—	*45*							*Eskdalemuir.*
p Cally, Gatehouse	120	61	30th	31	4th	59·9	38·3	48·6	- 6·1	1	0·26	7	- 19										
b. I. OF MAN. *p* Douglas	277	59	29, 30, 1	43	3rd	58·1	46·1	51·8	- 3·9	4	0·57	14	- 10	6·7	+ 1·4	48	0	38					Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	62	4th	33	4th	58·9	42·0	50·0	- 5·4	5	0·77	20	+ 3	5·7	—	41	2	28	51·9	-2·5	55·4	+0·6	Cockle Park.
a Tynemouth	71	60	1st	41	4th	57 7	44·3	50·7	- 5·6	4	0·55	14	0										*Tynemouth.*
p Durham	336	65	1st	33	4th	60·3	40·4	49·9	- 6·8	4	1·13	29	+ 16	6·1	+ 1·6	44	1	29					Durham.
a, North .. *p* Rounton	249	62	31, 1	32	4th	58·6	40·9	49·3	- 6·5	4	0·70	18	+ 5				0	32	56·9				Rounton.
a West Witton	*605*	*65*	*1, 4*	*34*	*4th*	*60·6*	*41 9*	*50·8*	—	*3*	*0·50*	*13*	—				1	29	56·4		54·9		*West Witton.*
p Scarborough	100	65	1st	45	30, 4	61·6	47·9	54·4	- 2·7	3	0·83	21	+ 7	6·9	—	50					59·0†		Scarborough.
p York	58	63	31, 4	38	4th	60·7	43·6	51·7	- 5·9	5	1·55	39	+ 26	*4·9*	+ *0·4*	*35*			59·2	-0·2	58·2	+1·0	York.
b, South .. *a* Spurn Head	26	63	1st	46	3, 4	60·4	49·4	54·6	- 3·8	6	1·03	26	+ 15	*7·2*	—	*52*							*Spurn Head.*
a Lincoln	58	63	1st	40	3rd	59·9	46·6	52·9	- 5·5	5	0·32	8	- 5						57·9	-1·1	59·1	+1·5	Lincoln.
a Fulbeck	180	62	31, 1, 4	35	4th	60·0	43 3	51·3	- 7·0	6	0·41	10	- 3	4·5	—	33	1	30	58·6	-2·0	58·0	-0·8	Rauceby.
														6·1	—	*45*							Skegness.
3. ENGLAND, E.																							
p Cromer	196																						Cromer.
p Little Massingham	280	65	1st	43	30, 31, 3	59 6	45·6	52·3	- 6·0	5	0·72	18	+ 3	5 0	- 0·3	37	0	39					Lit. Massingham.
a, North .. *a* Yarmouth	17	65	1st	44	30, 31	60·4	47·6	53·7	- 5·1	6	1·38	35	+ 22	3·7	—	27			59·9	-2·0	60·6	-1·0	Yarmouth.
a Norwich	93	65	1st	44	3rd	60·0	47·3	53·4	- 5·3	7	0·49	12	—	*4·6*	—	*34*	0	37	58·2				*Norwich.*
a Geldeston	37	67	1st	41	30th	62·0	46·7	54·0	- 4·4	5	0·42	11	- 1	3·5	- 2·3	26							Geldeston.
p Cambridge	41	62	31, 4	40	30th	59·1	44·3	51·3	- 8·3	3	0·24	6	- 6	*4·3*	- *1·4*	*31*	0	38	60·1	-0·5	60·9	+1·0	Cambridge.
b, South .. *a* Clacton-on-Sea	54	63	31st	43	30th	60·6	46·9	53·4	- 6·3	5	0·83	22	—	4·3	—	31	0	40	59·0	-1·5	60·5	+0 4	Clacton.
a Rothamsted	424	62	1st	41	4th	58·7	46·0	52·1	- 5·7	5	0·47	12	- 2	*4·7*	- *0·9*	*34*	0	37	57·8				Rothamsted.
p Tottenham	51	66	29th	45	3, 4	62·3	48·7	55·2	- 4·4	4	0·21	5	—	5·1	—	37	0	42			61·7	-0·2	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	61	31st	39	4th	58·4	43·0	50·3	- 5·6	2	0·37	9	- 6	6·4	—	46	0	34	58·1	+0·5	56·9	+1·4	Harrogate.
p Buxton	*987*	*58*	*31st*	*33*	*4th*	*55·4*	*43·6*	*49·2*	- *5·7*	*4*	*0·36*	*9*	- *16*	*3·5*	—	*26*	2	25	54·4	-2·7	56·0	+0·7	*Buxton.*
														3·9	—	29	0	33	56·5	-1·2	56·1	+0·2	Sheffield.
a Bawtry	65													4·7	+ 0·3	34	1	29	57·4		57·3		Worksop.
a Nottingham	82	64	31st	38	4th	59·6	45·6	52·3	- 5·5	3	0·24	6	- 7	4·4	—	32	0	34	56·8	-1·1	58·8	+0·1	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	64	31st	40	3rd	59·7	46·6	52·8	- 5·2	4	0·23	6	- 8	4·4	—	32	2	28	53·6	-1·7	54·0	-0·2	Birmingham.
a Raunds	203	67	1st	38	30, 4	61·6	43·7	52·2	- 5·9	4	0·31	8	—	*4·9*	—	*36*	1	30	61·3		59·0		*Raunds.*
p Oxford	208	65	31st	40	4th	61·6	46·3	53·6	- 5·2	3	0·36	9	- 3	4·9	- 0·6	36	1	30					Oxford.
a Cheadle	646	62	1st	45	30–1, 3	57·3	45·7	51·2	- 4·7	5	0·66	17	- 1				0	38					Cheadle.
p Shrewsbury	191	65	31st	36	3, 4	61·3	44·4	52·4	- 5·5	1	0·11	3	—				0	34					Shrewsbury.
c, West .. *a* Hereford§	291	69	31st	35	3rd	62·3	44·4	52·9	- 5·2	2	0·11	3	- 10	*5·9*	—	*43*	0	31	59·7		60·7		*Malvern.§*
a Cirencester	446																						Cirencester.
a Bath	66	67	31st	40	4th	63·4	45·6	54·1	- 4·6	4	0·39	10	- 5	6·5	—	48			61·4	-0·6	61·3	0·0	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	66	31st	36	4th	60·4	43·6	51·6	- 5·1	4	0·23	7	- 8	6·0	—	44	0	42	60·6	-0·2	60·8	-0·2	Worthing.
a Margate	53	65	29th	51	2, 4	60·9	53·3	56·9	- 3·5	4	1·42	36	+ 25	4·8	- 0·5	35	1	28	58·9	-	58·2		Marlborough.
a Wisley, Surrey	150	67	31st	42	30, 4	62·3	46·0	53·8	- 6·2	3	0·31	8	—	2·7	- 3·0	20	0	48	60·9	+0·2	62·1	+2·2	Margate.
p Salisbury (Wilton)	180	68	31st	39	4th	64·1	44·3	53·7	- 5·4	2	0·23	6	- 8	5·2	—	38	0	31	59·7	-0·9	59 5	-0·7	Wisley.
a Tunbridge Wells	354	67	29th	39	30th	62·3	44·9	53·2	- 5 5	4	0·96	24	+ 11				0	33	60·7				Salisbury.
														3·7	—	27	0	31	58·6	-2·9	60·2		Tunbridge Wells.
a Dungeness	21	68	29th	42	30th	62·6	46·3	54·1	- 6·0	5	1·46	37	+ 25										Littlestone.
p Hastings	178	66	29th	45	30th	61·4	48·0	54·4	- 5·6	5	1·37	35	+ 21	3·9	- 2·5	29	0	40	60·1		60·8		Hastings.
p Southampton	64	69	31st	43	4th	64·6	47·7	56·7	- 5·0	3	0·70	18	+ 4	5·8	- 0·4	43	0	36					Southampton.
a Ventnor	59	66	30, 31	45	4th	63·9	50·5	56·9	- 4 3	5	0·61	15	+ 2	*6·2*	- *0·2*	*46*							Ventnor.
LONDON. *p* Kew	18	65	31st	44	4th	62·1	48·0	54·7	- 4·5	3	0·21	5	- 8	5·2	- 0·4	38	0	35	59·5	-0·9	59·5	+0·6	Kew.
a Westminster	*27*	*68*	*4th*	*45*	*30th*	*63·7*	*48·5*	*55·7*	- *4·3*	*4*	*0·31*	*8*	- *5*	*4·7*	- *0·3*	*35*	0	44					*Westminster.*
a Greenwich	*155*	*68*	*1st*	*44*	*30, 4*	*64·0*	*47·9*	*55·6*	- *4·8*	*3*	*0·21*	*5*	- *7*	*4·7*	- *1·4*	*35*	0	33					*Greenwich.*
a Hampstead	*450*	*66*	*1st*	*41*	*30, 4*	*60·9*	*45·1*	*53·6*	—	*4*	*0·21*	*5*	—	*5·1*	—	*37*	0	31					*Hampstead.*
a Camden Square	*110*	*69*	*1st*	*44*	*30, 4*	*64·6*	*48·3*	*56·1*	—	*3*	*0·18*	*5*	—	*4·5*	—	*33*	0	42					*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	61	31, 3, 4	36	3rd	59·4	41·4	50·0	- 5·9	3	0·56	14	- 11	6·1	—	45							Hoylake.
p Newton Rigg	559	62	4th	33	4th	59·0	40·6	49·4	- 5·4	2	0·48	12	- 7	6·4	—	46	0	34	56·2		55·4	—	Aspatria.
p Stonyhurst	375	60	31, 4	38	3, 4	58·4	43·3	50·5	- 5·5	3	0·60	15	- 12	6·6	+ 2·0	48	2	29	57·4	+0·1	56·3	+0·2	Newton Rigg.
p Blackpool	66	63	31st	39	3, 4	60·1	46·4	52·9	- 4·6	4	0·81	21	+ 1	5·7	+ 1·1	41	0	32					Stonyhurst.
a Southport	*37*	*62*	*31st*	*39*	*3, 4*	*58·7*	*46·9*	*52·5*	- *4·9*	*2*	*0·35*	*9*	- *11*	7·7	+ 2·8	55	0	34	59·2		58·0		Blackpool.
a Liverpool (Bidston)	188	61	31st	46	3rd	58·3	48·9	53·4	- 3·7	4	0·63	16	- 1	*6·5*	+ *1·4*	*47*	0	32	59·3	-1·0	60·8	+0·6	*Southport.*
a Hawarden Bridge	*22*	*63*	*31st*	*42*	*3rd*	*59·9*	*48·6*	*54·0*	- *4·5*	*5*	*0·89*	*23*	+ *8*	*5·1*	—	*37*							*Liverpool.*
p Manchester (Whit. Pk.)	125	63	31st	38	3rd	59·6	45·4	52·2	- 5·1	3	0·92	23	+ 7	*2·8*	—	*20*	0	34	58·0	-0·4	60·4	+1·2	*Manchester (City)*
														2·2	- *1·7*	*16*							" *(Whit. Park)*
b NORTH WALES.																							
p Llandudno	71																						Llandudno.
a Holyhead	15	63	31st	46	3rd	60·3	50·3	55·1	- 2·7	5	0·80	20	+ 2	*6·7*	—	*49*							*Holyhead.*
p Bettws-y-Coed	*148*	*61*	*31st*	*38*	*3, 4*	*58·6*	*43·7*	*50·8*	- *7·1*	*6*	*1·88*	*47*	—	*4·1*	—	*30*			53·9	-2·0	54·7	-0·5	*Bettws-y-Coed.*
														6·2	—	45							Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th. Previous height 90 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.		Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average.	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
														6·0	—	44	•	•	•	•	•	•	
8. *a*, SOUTH WALES																							
a Llangammarch Wells	550	63	31st	31	4th	58·4	41·6	49·6	− 6·6	5	0·94	24	—	4·8	—	35	1	29	55·9	−1·8	55·6	−0·4	Aberystwyth.
a Pembroke	149	66	30th	46	3, 4	59·9	49·9	54·7	− 3·3	5	0·48	12	− 5	7·3	+ 1·5	53	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	65	31st	42	30, 3	61·4	46·0	53·3	− 5·5	3	0·18	5	− 19	*6·5*	—	*47*	0	38	59·6	−0·4	58·9	−0·6	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	229	65	31st	44	30, 3, 4	62·3	49·1	55·4	− 4·2	4	0·22	6	− 13	*5·9*	—	*43*	0	43	•	•	•	•	*Clifton.*
a Shaftesbury	722	65	31st	41	30, 4	61·0	45·6	52·9	− 5·0	3	0·39	10	− 7	•	•	•	•	•	60·1	•	60·5	•	Shaftesbury.
a Arlington	613	64	31st	40	3, 4	60·1	45·4	52·4	− 4·6	4	1·33	34	+ 6	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*													•	•	•	•	•	•	•	•	•	Newquay.
a Cullompton	202	69	31st	36	4th	64·9	43·0	53·4	− 5·0	2	0·09	2	− 15	6·3	+ 0·7	46	0	32	59·9	•	•	•	Cullompton.
a Portland Bill	19	64	31, 4	47	4th	62·1	51·3	56·4	− 3·8	3	0·21	5	—	*7·1*	—	*52*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	67	31st	43	3rd	62·7	48·3	55·2	− 4·6	4	0·21	5	− 11	7·4	+ 1·4	54	•	•	60·6	−1·3	59·8	•	Plymouth.
a Falmouth	167	65	31, 1	43	3rd	61·9	48·4	54·8	− 4·2	4	0·66	17	− 2	4·3	− 2·1	32	0	35	64·2	•	61·9	•	Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	58	31st	47	2nd	55·7	48·9	52·1	− 3·9	5	0·55	14	− 6	*4·8*	—	*34*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	60	31st	44	3rd	58·3	47·7	52·8	− 3·9	6	0·94	24	− 3	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	63	1st	34	3rd	60·6	42·3	51·0	− 4·4	6	0·54	14	− 10	6·3	+ 2·4	45	1	29	58·1	•	56·8	•	Markree Castle.
a Birr Castle	175	63	30th	37	3rd	60·4	43·4	51·5	− 4·9	3	0·43	11	− 9	*5·5*	+ *1·0*	*40*	•	•	•	•	•	•	*Birr Castle.*
b, East .. { *p* Armagh	196	65	30th	37	3rd	60·0	42·9	51·0	− 4·8	5	0·35	9	− 11	5·0	+ 0·9	36	1	30	58·1	−0·6	57·4	−0·4	Armagh.
a Donaghadee	101	58	30th	46	31, 1	56·7	47·6	51·9	− 4·6	2	0·17	4	− 15	•	•	•	•	•	•	•	•	•	•
														•	•	•	•	•	•	•	•	•	Trinity Coll.
														6·5	+ 1·4	47	0	32	•	•	•	•	Phœnix Park.
10. IRELAND, S.																							
a, East .. { *p* Dublin, City	47	62	29, 30	42	3rd	59·4	46·7	52·8	− 5·5	4	0·24	6	− 12	•	•	•	0	39	•	•	•	•	Dublin City.
a Kilkenny	212	64	30th	38	3rd	60·9	43·6	51·8	− 4·9	2	0·19	5	− 14	•	•	•	•	•	•	•	•	•	•
a Waterford	30	63	30, 1	41	3rd	61·3	46·1	53·3	− 4·4	1	0·27	7	− 14	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*64*	*30th*	*40*	*3rd*	*60·4*	*44·9*	*52·3*	—	*3*	*0·11*	*3*	—	*6·0*	—	*44*	0	37	•	•	•	•	*Seskin.*
b, West .. { *a* Birr Castle	175	63	30th	37	3rd	60·4	43·4	51·5	− 4·9	3	0·43	11	− 9	5·5	+ 1·0	40	•	•	•	•	•	•	Birr Castle.
a Foynes	50	63	30th	44	3rd	60·3	48·1	53·9	− 3·5	3	0·53	13	− 8	•	•	•	•	•	•	•	•	•	•
a Cahir	199	64	30th	40	3rd	62·1	45·0	53·1	− 4·0	3	0·24	6	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	68	30th	42	4th	63·6	47·1	55·0	− 2·2	5	0·36	9	− 17	•	•	•	•	•	•	•	•	•	•
a Valencia	30	62	30, 1	41	4th	60·7	48·6	54·4	− 3·3	4	0·37	9	− 19	8·7	+ 4·0	64	•	•	•	•	•	•	Valencia.
a Roche's Point	32	65	30th	46	3rd	62·6	49·1	55·5	− 2·6	3	0·14	4	− 18	7·1	—	52	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	31st	47	3rd	62·9	51·0	56·7	− 3·4	5	0·79	20	+ 5	7·3	+ 0·5	54	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	65	29th	47	3rd	62·3	51·0	56·4	− 5·6	4	1·46	37	+ 22	7·5	+ 0·3	55	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	65	31st	45	3rd	62·1	50·4	56·0	− 5·2	4	1·00	25	+ 8	6·9	− 0·3	51	0	33	61·0	−2·2	62·5	+0·4	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, September 4th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.			m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	{15**	—	—	—	—	11	108	49	0	NW.	7	30th 9h.		16 30th 9 . 1
Aberdeen*	105	{27 / 52} ‖	—	—	—	—	61	98	9	0	WNW.	11	30th 9h.		17 30th 9 . 5
Edinburgh	39	31	—	—	—	—	4	138	26	0	NW.	7	30th 10h.		12 30th 12 . 3
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	—	—	35	69	64	0	NE. by N.	10	1st 14h.		16 1st 16 . 39
Paisley (Coats Obs.)	81	52	—	—	—	—	15	80	73	0	NW. by N.	8	30th 10h.		15 30th 11 . 0
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	9	82	77	0	NNW.	7	29th 9h.		16 30th 9 . 37
South Shields ..	61	12	—	—	—	—	45	102	21	0	E. by N.	9	1st 14h.		14 1st 20 . 2
Spurn Head	40	†	—	—	—	—	60	74	9	25	NNE.	10	29th 6h.		15 29th 5 . 25
3. ENGLAND, E.													
Gorleston	42	‡	—	—	29, 3, 4	26	58	84	0	0	—	14	3rd 20h.		20 3rd 20 . 12
Shoeburyness ..	90	‡	—	—	—	—	79	79	0	10	S.W.	9	1st 10h.		16 3rd 16 . 55
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	26	94	48	0	N.	8	3rd 14h.		16 3rd 14 . 18
5. ENGLAND, S.E.													
Dover	40	‡	—	—	3, 4	12	95	55	6	0	—	13	3rd 20h.		19 3rd 24 . 28
Warlingham ..	33	‡			No Record—instrument under repair.										
Brighton	53	6	—	—	—	—	34	118	1	15	—	9	1st 8h.		14 1st 8 . 35
Kew†	65	{6 / 22} ‖	—	—	—	—	6	111	51	0	N. by E.	6	3rd 15h.		15 3rd 13 . 0
South Kensington ..	92	30	—	—	—	—	—	102	66	0	N.	4	3rd 13h.		12 3rd 12 . 46
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	—	45	123	0	WNW.	5	30th 15h.		9 1st 13 . 50
Southport	62	48	—	—	30th	20	71	68	9	0	NW. by W.	15	30th 13h.		20 30th 12 . 40
Holyhead*	40	‡	—	—	29, 30, 1	13	59	73	23	0	NNE.	14	29th 6h.		19 29th 5 . 52
8. ENGLAND, S.W.													
Pendennis Castle§ ..	65	24	—	—	—	—	28	59	4	77	W.	8	1st 9h.		14 1st 9 . 26
Plymouth	88	2	—	—	29 to 3	48	27	17	76	0	—	16	31st 14h.		22 30th 13 . 35
10. IRELAND, S.													
Quilty	40	‡	—	—	1st	6	88	60	14	0	—	14	1st 16h.		20 1ts 15 . 58
Weaver Pt.	30	‡	—	—	29, 31	7	77	84	0	0	—	11	29th 5h.		17 31st 13 . 55
11. ENGLISH CHANNEL.													
Scilly*	{32 / 19}	‡	—	—	1, 2	5	55	80	28	0	NNW.	11	2nd 10h.		18 1st 12 . 20

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTY-FIFTH WEEK—August 29th to September 4th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	61	37	54·5	43·9	48·9	− 4·8	48	− 34	0	0	5	0	0·55	14	2·6	−1·0	18	1013
Eastern.																		
1. SCOTLAND, EAST ...	64	26	57·8	41·2	49·1	− 5·7	53	− 37	2	+ 2	4	− 1	0·68	17	4·9	+0·4	34	1013
2. ENGLAND, N.E.	65	32	59·8	44·3	51·6	− 5·1	67	− 36	0	0	5	+ 1	0·81	21	5·7	+1·0	41	1012
3. ENGLAND, EAST ...	67	40	60·3	46·6	53·2	− 5·3	78	− 37	0	0	5	+ 1	0·60	15	4·4	−1·1	32	1011
4. MIDLAND COUNTIES ...	69	35	60·6	45·0	52·4	− 5·0	73	− 34	0	0	3	− 1	0·31	8	5·0	+0·2	37	1013
5. ENGLAND, S.E.	69	36	62·5	47·3	54·5	− 5·1	88	− 35	0	0	4	0	0·75	19	4·8	−0·9	36	1012
Western.																		
6. SCOTLAND, WEST ...	63	31	58·2	41·2	49·6	− 5·9	54	− 40	1	+ 1	3	− 2	0·29	7	6·1	+1·5	43	1014
7. ENGLAND, N.W.	63	33	59·3	45·2	51·9	− 5·1	69	− 36	0	0	3	− 2	0·69	17	6·5	+2·0	47	1014
8. ENGLAND, S.W.	69	31	61·5	46·9	53·8	− 4·3	83	− 30	0	0	4	0	0·47	12	6·0	+0·6	44	1014
9. IRELAND, NORTH ...	65	34	58·6	45·5	51·7	− 3·9	68	− 28	0	0	5	0	0·50	13	5·7	+1·7	41	1015
10. IRELAND, SOUTH ...	68	37	61·3	46·4	53·5	− 3·6	81	− 25	0	0	3	− 1	0·31	8	7·0	+2·4	51	1017
11. ENGLISH CHANNEL ...	66	45	62·4	50·8	56·4	− 4·3	101	− 30	0	0	4	− 1	1·08	27	7·2	+0·7	53	1015

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 1 Week, August 29th to September 4th, 1915.

0. SCOTLAND, NORTH ...	61	37	54·5	43·9	48·9	*	48	− 34	0	0	5	0	0·55	14	2·6	−1·0	18	1013
Eastern.																		
1. SCOTLAND, EAST ...	64	26	57·8	41·2	49·1	*	53	− 37	2	+ 2	4	− 1	0·68	17	4·9	+0·4	34	1013
2. ENGLAND, N.E.	65	32	59·8	44·3	51·6	*	67	− 36	0	0	5	+ 1	0·81	21	5·7	+1·0	41	1012
3. ENGLAND, EAST ...	67	40	60·3	46·6	53·2	*	78	− 37	0	0	5	+ 1	0·60	15	4·4	−1·1	32	1011
4. MIDLAND COUNTIES ...	69	35	60·6	45·0	52·4	*	73	− 34	0	0	3	− 1	0·31	8	5·0	+0·2	37	1013
5. ENGLAND, S.E.	69	36	62·5	47·3	54·5	*	88	− 35	0	0	4	0	0·75	19	4·8	−0·9	36	1012
Western.																		
6. SCOTLAND, WEST ...	63	31	58·2	41·2	49·6	*	54	− 40	1	+ 1	3	− 2	0·29	7	6·1	+1·5	43	1014
7. ENGLAND, N.W.	63	33	59·3	45·2	51·9	*	69	− 36	0	0	3	− 2	0·69	17	6·5	+2·0	47	1014
8. ENGLAND, S.W.	69	31	61·5	46·9	53·8	*	83	− 30	0	0	4	0	0·47	12	6·0	+0·6	44	1014
9. IRELAND, NORTH ...	65	34	58·6	45·5	51·7	*	68	− 28	0	0	5	0	0·50	13	5·7	+1·7	41	1015
10. IRELAND, SOUTH ...	68	37	61·3	46·4	53·5	*	81	− 25	0	0	3	− 1	0·31	8	7·0	+2·4	51	1017
11. ENGLISH CHANNEL ...	66	45	62·4	50·8	56·4	*	101	− 30	0	0	4	− 1	1·08	27	7·2	+0·7	53	1015

THE YEAR.—Aggregates, &c., for the Period of 35 Weeks, January 3rd to September 4th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·2	40·5	46·1	*	1518	− 36	503	− 54	154	− 6	28·56	725	− 72	3·6	0·0	27	1010
Eastern.																		
1. SCOTLAND, EAST ...	80	26	53·8	39·2	46·2	*	1655	−115	632	+ 12	133	0	19·94	507	+ 10	4·3	0·0	32	1011
2. ENGLAND, N.E.	85	20	55·3	41·8	48·2	*	1944	− 6	403	− 72	121	+ 1	17·12	434	+ 39	4·7	+0·1	36	1012
3. ENGLAND, EAST ...	90	18	56·6	42·9	49·4	*	2212	− 48	381	−140	125	+ 9	18·63	476	+100	4·9	−0·1	37	1013
4. MIDLAND COUNTIES ...	87	19	57·2	41·3	48·9	*	2143	−193	451	− 82	112	− 3	19·17	488	+ 62	4·6	+0·1	35	1013
5. ENGLAND, S.E.	88	15	57·2	43·7	50·2	*	2325	− 94	318	− 63	103	− 7	19·86	508	+100	5·0	−0·1	38	1013
Western.																		
6. SCOTLAND, WEST ...	78	18	54·8	41·4	47·8	*	1848	− 55	435	+ 10	129	−11	23·80	606	−129	4·8	+0·4	36	1012
7. ENGLAND, N.W.	77	21	55·2	42·8	48·7	*	1986	− 81	344	− 42	116	−12	22·01	560	+ 21	5·0	+0·5	37	1013
8. ENGLAND, S.W.	79	17	56·3	44·0	49·7	*	2193	− 99	298	− 3	122	− 3	24·87	632	+ 54	4·9	−0·1	37	1014
9. IRELAND, NORTH ...	75	20	54·5	42·4	48·2	*	1875	−112	352	+ 7	149	− 3	21·91	559	− 50	4·1	0·0	31	1012
10. IRELAND, SOUTH ...	78	21	56·5	44·0	50·0	*	2224	− 62	284	+ 25	145	+10	24·73	633	− 7	4·6	+0·1	35	1014
11. ENGLISH CHANNEL ...	81	27	56·8	46·9	51·7	*	2483	−103	120	+ 11	117	−16	20·04	505	+ 33	5·6	−0·4	43	1014

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., September 8th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 36. THIRTY-SIXTH WEEK, SUNDAY, SEPTEMBER 5TH, TO SATURDAY, SEPTEMBER 11TH, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

Slight rain fell in the north and west of the Kingdom early in the week, but generally the weather was extremely dry, and during long intervals cloudless. In England South-East and the English Channel district the mean daily sunshine was 10·2 hours and 10·8 hours, an excess over the average of about 4·5 hours per day, while in England South-West the mean daily excess was 4 hours, and in all the other English districts 3 hours or more. In the least sunny part of the Kingdom, Ireland North, the daily excess amounted to 1·7 hours, at Jersey the percentage of the possible duration was as high as 89, and at Ventnor and Worthing 86. As is usual with bright weather during September the daily range of temperature was rather large. Maxima above 70° were common, the highest values being 76° at Manchester and Llandudno on the 8th and 9th and 77° at Gordon Castle and Nairn on the 8th and 10th respectively. The minima were recorded early in the week, and were below 40° in all the English and Scottish districts; in the Midland Counties and England South-East the thermometer fell to 32°, and in Scotland East to 29°. The thermometer exposed on the grass fell to below 32° at a considerable number of stations; to 26° at Balmoral, West Linton and Birmingham, 27° at Buxton and Marlborough, and to 28° at several other stations. In England South-East the mean temperature for the week was nearly 2° below the average, and in England South-West 0°·5 below, but in all other districts it was above it, the difference being at least 3° in Ireland, and very nearly 4° in Scotland North.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Very unusual	Unusual	Unusual	Moderate	Moderate	Deficient	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Light	Light	Light	Light	Nought	Nought	Light	Light	Nought	Very light	Light	Nought
	Sunshine ...	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant	Very abundant	Abundant	Very abundant	Very abundant	Abundant	Abundant	Very abundant

THE SEASON.

AUTUMN. 2 weeks from Aug. 29th, 1915.	Warmth ...	1, 0, 1	1, 0, 1	1, 0, 1	0, 1, 1	0, 1, 1	0, 0, 2	1, 0, 1	1, 0, 1	0, 1, 1	1, 0, 1	1, 0, 1	0, 1, 1
	Rainfall ...	0, 0, 2	0, 1, 1	1, 0, 1	0, 1, 1	0, 0, 2	0, 1, 1	0, 0, 2	0, 1, 1	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2
	Sunshine ...	1, 0, 1	1, 1, 0	1, 1, 0	1, 0, 1	1, 1, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 1, 0

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, [illegible], 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, September 11th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	53	52	52·7	+0·4	Cleggan	60	57	58·1	+1·7
Wick	50	50	50·0	-3·1	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	54	52	53·0	-0·2
Ballantrae	58	51	56·7	+1 0	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	62	59	60·8	-1·0
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	61	60	60·5	+1·0	Eastbourne‡	61	60	60·6	-1·8
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	62	55	58·4	+0·3	Port Erin	58	57	57·3	+0·9

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(6035—19.) Wt. 160—610. 450. 9/15. D & S. G. 20/36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Average	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
a, Islands ..	*p Baltasound* *31*																					*Baltasound.*
	a Lerwick 54	60	8th	48	5,6	56·4	50·7	53·4	+ 2·3	5	0·25	6	—	5·2	+ 1·5	38	•	•	•	•	•	•	Deerness.
	a Stornoway 51	69	9th	42	5th	54·6	49·7	56·8	+ 4·1	2	0·68	17	- 8	5·9	+ 1·9	43	•	•	•	•	•	•	Stornoway.
	a Castlebay, Barra Isd. .. *37*	*63*	*8, 10*	*49*	*5th*	*60·6*	*54·3*	*57·3*	+ *3·5*	*3*	*0·36*	*9*	—	*5·6*	—	*41*	•	•	•	•	•	•	*Castlebay.*
	a Wick 81	66	7th	48	5th	60·4	51·7	55·8	+ 3·0	2	0·20	5	- 10	•	•	•	•	•	•	•	•	•	
b, Mainland.	*p* Strathpeffer 200	75	9th	42	11th	69·0	49·1	58·6	+ 5·6	1	0·02	1	- 14	6·4	+ 2·5	47	•	•	•	•	•	•	Strathpeffer.
	p Glencarron 500	74	9, 10	46	5, 11	67·0	49·6	57·9	+ 6·1	2	0·30	8	- 39	•	•	•	•	•	•	•	•	•	
	p Fort Augustus .. 68	76	10th	39	11th	69·6	48·3	58·4	+ 4·7	1	0·01	0	- 22	5·6	+ 2·7	41	•	•	•	•	•	•	Fort Augustus.
	p Fort William 171	75	9th	45	11th	68·3	49·6	58·5	+ 4·4	2	0·12	3	- 37	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																						
	p Gordon Castle 101	77	8th	45	11th	72·7	50·9	61·3	+ 6·9	1	0·03	1	- 14	7·7	—	57	0	32	57·0	+2·0	55·6	+0·9	Crathes.
	a Nairn 82	77	10th	40	11th	69·7	48·0	58·3	+ 4·3	1	0·04	1	- 12	*8·0*	—	*59*	•	•	•	•	•	•	*Gordon Castle.*
	a Aberdeen 46	75	7th	45	5th	66·3	51·0	58·3	+ 4·5	0	0·00	0	- 15	7·2	—	53	•	•	•	•	•	•	Nairn.
	a Balmoral 930	71	10, 11	29	11th	68·6	41·3	54·3	+ 3·2	0	0·00	0	- 18	8·3	+ 3·9	61	•	•	•	•	53·6	+0·2	Aberdeen.
	p Crieff 432	71	8th	41	5th	66·9	47·1	56·5	+ 1·6	1	0·01	0	- 20	4·2	—	31	•	•	1	26	•	•	Balmoral.
																			•	•	•	•	Balruddery.
	a Leith 18	73	10th	44	5th	67·7	47·4	57·1	+ 1·2	0	0·00	0	- 13	•	•	•	•	•	•	•	•	•	
	a West Linton 769	71	8th	29	5th	65·0	40·1	54·0	+ 0·6	1	0·02	1	—	*6·4*	—	*48*	1	26	•	•	•	•	*West Linton.*
	p Marchmont 498	74	9th	40	5th	67·9	47·0	57·0	+ 3·5	0	0·00	0	- 17	7·4	+ 3·1	55	0	35	•	•	•	•	Marchmont.
	a Edinburgh *441*	*74*	*9th*	*44*	*5, 11*	*63·9*	*51·4*	*58·8*	—	*0*	*0·00*	*0*	—	7·3	—	54	0	38	•	•	•	•	Edinburgh.
6, *a* SCOTLAND, W.																						
	a Poltalloch 132	70	10th	41	5th	65·1	50·0	57·2	+ 2·0	3	0·06	2	- 26	•	•	•	•	•	•	•	•	•	
	p Glasgow Observatory 180	71	9, 10	43	5th	66·7	51·1	58·5	+ 4·3	2	0·10	3	- 18	6·1	+ 2·4	46	0	33	•	•	•	•	Glasgow.
	p Rothesay‡ 170	70	10th	42	5, 6	65·0	48·0	56·1	+ 1·0	2	0·12	3	- 23	*6·1*	—	*46*	0	36	57·3	•	55·4	+0·8	*Rothesay.*
	a Kilmarnock 90	73	9, 10	39	5th	68·7	48·4	58·1	+ 3·7	2	0·12	3	—	*7·2*	—	*54*	•	•	•	•	•	•	*Kilmarnock.*
	a Colmonell 170	71	8–10	37	5th	69·0	48·7	58·4	+ 2·7	2	0·68	17	- 7	•	•	•	0	32	•	•	•	•	
	a Dumfries 160	73	8th	37	5th	68·0	46·9	57·0	+ 0·5	2	0·08	2	- 17	*6·8*	—	*51*	0	32	56·1	•	57·0	•	*Dumfries.*
	Eskdalemuir *799*	*71*	*8th*	*31*	*5th*	*64·6*	*39·4*	*51·4*	—	*2*	*0·40*	*10*	—	*6·6*	—	*49*	•	•	•	•	•	•	*Eskdalemuir.*
	p Cally, Gatehouse .. 120	72	8th	35	5th	67·6	44·1	55·3	+ 1·2	1	0·58	15	- 10	•	•	•	•	•	•	•	•	•	
b, I. OF MAN.	*p* Douglas 277	67	8th	45	5th	63·6	52·9	58·0	+ 3·0	1	0·07	2	- 21	7·1	+ 2·0	53	0	41	•	•	•	•	Douglas.
2. ENGLAND, N.E.																						
	a Alnwick Castle .. 210	69	8th	37	5th	64·3	46·4	54·9	+ 0·5	1	0·05	1	- 14	6·3	—	47	0	35	53·9	+0·7	54·2	+0·2	Cockle Park.
	a Tynemouth 71	68	7th	42	5th	61·3	48·7	56·1	+ 0·8	0	0·00	0	- 13	•	•	•	•	•	•	•	•	•	*Tynemouth.*
	p Durham 336	69	8, 9	35	5th	65·4	44·7	54·6	- 0·9	0	0·00	0	- 12	6·7	+ 2·5	50	0	31	•	•	•	•	Durham.
a, North ..	*p* Rounton 249	71	8th	37	11th	68·1	44·4	55·7	+ 0·7	1	0·10	3	- 9	•	•	•	0	33	56·6	•	•	•	Rounton.
	a West Witton *605*	*71*	*8, 9*	*37*	*5th*	*67·1*	*45·9*	*56·0*	—	*0*	*0·00*	*0*	—	•	•	•	1	30	55·1	•	53·8	•	*West Witton.*
	p Scarborough 100	70	7th	46	5th	66·3	52·4	59·0	+ 2·8	1	0·02	1	- 12	6·8	—	51	•	•	•	•	58·5†	•	Scarborough.
	p York 56	73	8th	40	5th	69·7	47·6	58·1	+ 1·5	1	0·01	0	- 12	8·3	+ 4·0	62	•	•	57·5	+0·3	57·3	+0·5	York.
	a Spurn Head 26	73	7th	46	5th	65·4	53·4	59·1	+ 1·5	1	0·02	1	- 9	*8·1*	—	*61*	•	•	•	•	•	•	*Spurn Head.*
b, South ..	*a* Lincoln 58	75	8th	39	5th	70·0	49·8	59·4	+ 2·0	0	0·00	0	- 12	•	•	•	•	•	58·6	+0·9	58·1	+1·0	Lincoln.
	a Fulbeck 180	73	8th	37	5th	68·9	48·0	58·0	+ 0·7	0	0·00	0·1	- 12	9·0	—	68	0	39	58·9	- 0·7	57·2	- 1·0	Rauceby.
														9·5	—	71	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																						
	p Cromer 196	73	7th	52	5th	66·4	55·1	60·5	+ 3·1	0	0·02	0·4‖	—	9·0	—	68	•	•	•	•	•	•	Cromer.
	p Little Massingham .. 280	75	8th	42	5th	68·6	48·6	58·1	+ 0·8	0	0·01	0·2‖	- 15	9·1	+ 4·0	68	0	37	•	•	•	•	Lit. Massingham.
a, North ..	*a* Yarmouth 17	66	7th	46	5th	64·7	53·0	58·6	+ 0·7	0	0·00	0	- 13	8·6	—	65	•	•	59·9	- 0·5	59·3	- 1·5	Yarmouth.
	a Norwich 93	72	7, 8	44	5th	68·7	49·4	58·6	+ 0·7	0	0·00	0	—	*8·7*	—	*65*	0	37	57·9	•	•	•	*Norwich.*
	a Geldeston 37	72	7th	43	10th	67·7	48·3	57·5	- 0·1	1	0·02	1	- 11	8·4	+ 2·8	63	•	•	•	•	•	•	Geldeston.
	p Cambridge 41	72	7, 8	35	5th	68·1	45·0	56·0	- 2·6	0	0·00	0	- 12	8·5	+ 3·1	64	0	32	59·1	- 0·2	59·6	+0·3	Cambridge.
b, South ..	*a* Clacton-on-Sea .. 54	66	8th	44	5th	64·3	52·0	57·9	- 0·8	0	0·00	0	—	9·1	—	69	0	40	58·6	- 0·9	59·0	- 0·6	Clacton.
	a Rothamsted 424	69	8, 9	39	5th	66·6	45·1	55·5	- 1·4	0	0·02	1‖	- 12	9·7	+ 4·4	74	0	32	56·7	•	•	•	Rothamsted.
	p Tottenham 51	72	8th	42	5th	68·0	49·3	58·2	- 0·4	0	0·00	0	—	10·1	—	77	0	38	•	•	60·5	- 0·7	Tottenham.
4. MIDLAND COUNTIES.																						
a North ..	*a* Harrogate 479	70	8, 9	41	5th	66·7	47·1	56·4	+ 1·4	1	0·01	0·2	- 14	8·2	—	62	0	35	55·3	+0·4	55·4	+0·6	Harrogate.
	p Buxton *987*	*69*	*8, 9*	*35*	*5th*	*65·3*	*44·0*	*54·1*	- *0·8*	*0*	*0·00*	*0*	- *24*	*8·0*	—	*60*	1	27	54·2	- 1·6	55·3	+0·4	*Buxton.*
	a Bawtry 65	74	8th	32	5th	71·3	44·1	57·1	+ 0·5	0	0·00	0	- 11	7·5	—	56	0	36	56·6	- 0·1	55·6	- 0·5	Sheffield.
	a Nottingham 82	74	8th	37	5th	70·0	44·7	56·7	0·0	0	0·00	0	- 12	7·0	+ 2·8	53	0	32	56·9	•	56·1	•	Worksop.
b, East ..	*p* Birmingham, Edgbsn. 535	72	8, 9	43	5th	68·6	49·0	58·3	+ 1·2	0	0·00	0	- 13	8·1	—	61	0	36	57·8	+1·1	57·7	- 0·3	Nottingham
	a Raunds 203	74	7, 9	33	5th	71·6	44·9	57·6	+ 0·4	0	0·00	0	—	8·3	—	62	1	26	54·9	+0·6	53·5	- 0·2	Birmingham.
	p Oxford 208	73	8, 9	38	5th	70·0	45·3	57·1	- 0·9	0	0·00	0	- 11	*8·5*	—	*64*	1	29	58·9	•	58·7	•	*Raunds.*
														10·3	+ 5·0	79	0	31	•	•	•	•	Oxford.
	a Cheadle 646	71	8, 10	46	5, 6	68·1	48·1	57·6	+ 2·7	1	0·02	1	- 16	•	•	•	0	38	•	•	•	•	Cheadle.
	p Shrewsbury 191	72	9th	35	5th	69·1	43·1	55·5	- 1·6	0	0·00	0	—	•	•	•	0	31	•	•	•	•	Shrewsbury.
c, West ..	*a* Hereford§ 291	73	9th	35	5th	69·3	41·3	51·6	- 2·4	0	0·00	0	- 13	*9·4*	—	*71*	0	31	53·8	•	53·5	•	*Malvern.§*
	a Cirencester 446													•	•	•	0	31	•	•	•	•	Cirencester.
	a Bath 66	75	9th	38	5th	70·1	43·7	56·3	- 1·5	0	0·00	0	- 15	10·3	—	79	•	•	59·7	—1·4	60·0	- 0·9	Bath.
5. ENGLAND, S.E.																						
	a Marlborough 424	72	9th	32	5th	68·9	38·6	53·0	- 2·8	0	0·00	0	- 14	11·3	—	86	0	39	59·1	-1·7	59·8	-0·7	Worthing.
	a Margate 53	66	7–9	51	8th	64·7	51·6	59·4	- 0·3	0	0·00	0	- 12	9·5	+ 4·5	73	2	27	58·9	•	57·3	•	Marlborough.
	a Wisley, Surrey .. 150	75	9th	33	5th	70·3	44·4	56·7	- 2·2	0	0·00	0	—	9·4	+ 4·0	72	0	47	59·7	+0·3	60·4	+1·3	Margate.
	p Salisbury (Wilton) .. 180	71	7, 8, 10	33	6th	69·6	41·0	54·6	- 3·4	0	0·00	0	- 13	9·6	—	73	2	28	57·9	- 1·4	58·0	- 1·6	Wisley.
	a Tunbridge Wells .. 354	72	9th	37	5th	68·1	46·4	56·7	- 0·9	0	0·00	0	- 13	•	•	•	0	32	59·1	•	•	•	Salisbury.
														9·7	+ 4·0	74	2	28	58·3	-1·7	59·1	•	Tunbridge Wells.
	a Dungeness 21	67	8, 9	41	5th	65·3	49·7	57·1	- 2·3	0	0·00	0	- 12	•	•	•	•	•	•	•	•	•	
	p Hastings 178	71	9th	46	5th	65·9	51·3	58·3	- 1·0	0	0·00	0	- 15	10·7	+ 4·6	82	0	41	59·4	•	59·5	•	Littlestone.
	p Southampton 64	72	9th	41	5th	69·4	47·0	57·7	- 2·0	0	0·00	0	- 14	10·7	+ 4·8	82	0	32	•	•	•	•	Hastings.
	a Ventnor 59	68	7–9	47	5th	66·4	51·0	59·9	- 0·6	0	0·00	0	- 14	11·2	+ 5·1	86	•	•	•	•	•	•	Southampton.
LONDON.	*p* Kew 18	73	8th	42	5, 6	68·5	47·1	57·3	- 1·1	0	0·00	0·1‖	- 13	9·4	+ 4·1	72	0	32	57·6	-1·6	58·5	+0·1	Ventnor.
	a Westminster *27*	*74*	*8th*	*41*	*5th*	*69·2*	*48·6*	*58·4*	- *0·5*	*0*	*0·00*	*0*	- *12*	*9·4*	+ *4·8*	*72*	0	41	•	•	•	•	Kew.
	a Greenwich *155*	*73*	*8th*	*40*	*5th*	*69·7*	*46·6*	*57·6*	- *1·8*	*0*	*0·00*	*0*	- *11*	*9·8*	+ *4·0*	*75*	1	30	•	•	•	•	*Westminster.*
	a Hampstead *450*	*70*	*7, 8*	*42*	*5th*	*66·8*	*48·2*	*57·1*	—	*0*	*0·00*	*0*	—	9·4	—	*72*	2	28	•	•	•	•	*Greenwich.*
	a Camden Square .. *110*	*75*	*9th*	*41*	*5th*	*71·6*	*47·9*	*59·2*	—	*0*	*0·00*	*0*	—	8·1	—	*62*	0	39	•	•	•	•	*Hampstead.*
																							Camden Square.
7. *a*, ENGLAND, N.W.														7·4	—	56	•	•	•	•	•	•	
	p Aspatria 250	75	8th	42	11th	69·3	49·3	58·8	+ 3·9	2	0·49	13	- 10	8·0	—	60	0	39	56·5	•	51·9	—	Hoylake.
	p Newton Rigg 569	73	8th	34	5th	67·6	44·1	55·3	+ 1·7	2	0·03	1	- 17	7·5	+ 3·1	56	1	28	56·3	+0·1	55·3	- 0·1	Aspatria.
	p Stonyhurst 375	71	9th	41	5th	66·4	49·4	57·5	+ 2·4	0	0·00	0	- 27	7·3	+ 2·8	55	0	35	•	•	•	•	Newton Rigg.
	p Blackpool 66	73	9th	42	5th	68·3	47·0	57·1	+ 0·4	0	0·00	0	- 19	7·7	+ 3·1	58	0	35	59·3	•	57·6	•	Stonyhurst.
	a Southport *37*	*73*	*8th*	*45*	*6th*	*68·0*	*48·7*	*57·9*	+ *2·3*	*0*	*0·00*	*0*	- *18*	*7·6*	+ *2·9*	*57*	0	38	58·4	- 0·3	59·2	- 0·2	Blackpool.
	a Liverpool (Bidston) .. 188	71	8, 9	48	5th	67·3	50·7	58·6	+ 2·1	0	0·00	0	- 16	*7·6*	—	*57*	•	•	•	•	•	•	*Southport.*
	a Hawarden Bridge .. *22*	*73*	*9th*	*40*	*5th*	*70·0*	*47·6*	*58·3*	+ *0·6*	*0*	*0·00*	*0*	- *13*	*6·4*	—	*43*	0	35	57·3	+0·2	59·3	+0·8	*Liverpool.*
	p Manchester (Whit. Pk.) 125	76	8th	40	5th	70·0	49·1	59·1	+ 2·5	0	0·00	0	- 16	*7·5*	+ *3·8*	*56*	•	•	•	•	•	•	*Manchester (City)*
																							" *(Whit. Park)*
b NORTH WALES.																							
	p Llandudno 71	76	9th	43	5th	70·9	51·7	59·9	+ 2·2	0	0·00	0	- 15	8·2	•	62	•	•	•	•	•	•	Llandudno
	a Holyhead 15	74	9th	50	5, 8	68·4	53·1	60·4	+ 3·4	0	0·00	0	- 17	*6·8*	—	*51*	•	•	•	•	•	•	*Holyhead.*
	p Bettws-y-Coed *148*	*75*	*8, 9*	*38*	*5th*	*69·1*	*45·4*	*58·7*	- *0·3*	*1*	*0·01*	*1*	—	*7·6*	—	*57*	•	•	53·0	-1·6	53·4	-1·4	*Bettws-y-Coed.*
														8·7	—	65	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‡ Raingauge and thermometers moved to new position on December 11th Previous height 90 feet. ‖ Dew.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.				No. of Rain-Days.	Rainfall in the week.			Daily Mean			Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge				Difference from Average.		Difference from Average.	Percentage of possible duration.	Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft	°		°		°	°	°	°		in.	mm	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														9·0	—	68	•	•	•	•	•	•	
a Llangammarch Wells	550	72	9th	35	5, 6	67·0	39·0	52·3	− 2·6	0	0·00	0	—	7·2	—	54	0	32	54·5	−2·0	54·6	−1·1	Aberystwyth
a Pembroke	149	67	9th	49	6th	63·1	53·6	58·1	+ 0·7	0	0·00	0	—	8·7	+ 3·3	66	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	74	9th	38	5th	69·1	45·7	57·4	− 0·4	0	0·00	0	− 22	9·7	—	74	0	37	58·2	−0·3	58·2	−0·6	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	229	76	9th	43	5th	70·6	49·0	59·3	+ 0·7	0	0·00	0	− 17	*9·4*	—	72	0	42	•	•	•	•	*Clifton.*
a Shaftesbury .. .	722	70	9th	34	5th	66·4	43·0	54·1	− 3·0	0	0·00	0	− 17	•	•	•	•	•	59·1	•	59·7	•	Shaftesbury.
a Arlington	613	71	9th	40	5th	67·0	47·4	56·7	+ 0·4	0	0·00	0	− 28	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*70*	*9th*	*41*	*5th*	*67·0*	*50·4*	*58·3*	− *0·3*	*0*	*0·00*	*0*	− *15*	10·0	+ 4·1	76	0	38	59·6	•	59·2	•	Newquay.
a Cullompton	202	74	6th	34	5th	71·1	41·9	55·8	− 1·7	0	0·00	0	− 16	9·1	+ 3·8	69	1	29	58·5	•	•	•	Cullompton.
a Portland Bill	19	66	9th	50	5th	64·0	55·3	59·4	0·0	0	0·00	0	—	*10·8*	—	*83*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	72	9th	42	5th	68·1	50·3	58·8	0·0	0	0·00	0	− 16	10·6	+ 4·9	81	•	•	59·5	−0·9	58·9	•	Plymouth.
a Falmouth	167	67	9, 10	44	5th	65·0	51·6	58·0	− 0·5	0	0·00	0	− 20	10·2	+ 4·2	78	0	33	61·9	•	61·6	•	Falmouth.
9. IRELAND. N.																							
a Malin Head	208	71	10th	46	5th	67·3	51·6	59·1	+ 3·8	1	0·01	0·2	− 19	*5·8*	—	*43*	•	•	•	•	•	•	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	70	8, 10	51	5th	64·6	53·0	58·5	+ 2·8	3	0·20	5	− 20	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	72	10th	40	5th	65·0	49·9	58·5	+ 3·9	2	0·23	6	− 17	5·3	+ 1·5	40	0	36	58·1	•	56·2	•	Markree Castle.
a Birr Castle	175	73	10th	45	5th	65·0	50·0	58·6	+ 3·1	2	0·06	1	− 16	*6·4*	+ *2·0*	*48*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	71	7th	46	5, 8	63·6	50·0	57·9	+ 3·0	0	0·00	0	− 18	6·1	+ 2·1	46	0	36	57·8	+0·3	56·8	−0·3	Armagh.
a Donaghadee	101	71	7th	47	5th	64·7	51·4	57·7	+ 2·0	2	0·05	1	− 16	•	•	•	•	•	•	•	•	•	•
														•	•	•	0	41	58·6	+0·7	57·2	−0·4	Trinity Coll.
10. IRELAND, S.														7·4	+ 2·5	56	0	35	•	•	•	•	Phœnix Park.
p Dublin, City	47	68	7, 9, 10	51	5, 8, 11	65·9	53·0	59·1	+ 1·8	1	0·01	0	− 16	•	•	•	0	45	•	•	•	•	Dublin City.
a, East .. *a* Kilkenny	212	70	10th	48	8th	66·6	51·7	58·8	+ 2·8	1	0·02	0·4	− 17	•	•	•	•	•	•	•	•	•	•
a Waterford	30	68	9, 10	46	5th	65·9	52·1	58·7	+ 1·9	2	0·09	2	− 17	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*68*	*10th*	*49*	*8th*	*64·0*	*51·4*	*57·4*	—	*2*	*0·08*	*2*	—	*5·6*	—	*42*	0	46	•	•	•	•	*Seskin.*
a Birr Castle	175	73	10th	45	5th	63·0	50·0	58·6	+ 3·1	2	0·06	1	− 16	6·4	+ 2·0	48	•	•	•	•	•	•	Birr Castle.
a Foynes	50	71	10th	49	5th	65·0	52·3	59·8	+ 3·2	2	0·04	1	− 19	•	•	•	•	•	•	•	•	•	•
a Cahir	199	69	7, 10	45	5th	67·3	50·4	58·4	+ 2·1	3	0·18	5	—	•	•	•	•	•	•	•	•	•	•
b, West .. *a* Killarney ..	174	73	8, 10	43	5th	65·9	55·1	61·7	+ 5·4	3	0·17	4	− 20	•	•	•	•	•	•	•	•	•	•
a Valencia	30	72	10th	45	5th	66·0	53·9	59·7	+ 2·6	4	1·06	27	+ 1	5·6	+ 1·0	42	•	•	•	•	•	•	Valencia.
a Roche's Point ..	32	65	10th	49	5th	63·6	56·6	59·9	+ 2·7	5	0·31	8	− 12	•	•	•	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	68	9th	48	5th	65·9	54·6	60·0	+ 0·6	0	0·00	0·1	− 15	9·6	+ 3·3	73	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	77	9th	44	5th	69·9	51·1	60·1	− 1·3	0	0·00	0	− 15	11·7	+ 5·0	89	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	77	9th	46	5th	71·6	52·6	61·6	+ 0·9	0	0·00	0	− 17	11·0	+ 4·3	84	0	37	60·7	−1·7	61·5	−0·3	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, September 11th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.				
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.	
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s.	d. h. m.
1. SCOTLAND, E.															
Dyce	75	‡15**	—	—	—	—	—	107	61	0	SSE.	5	10th 13h.	11	9th 15 . 43
Aberdeen*	105	27 ‖	—	—	—	—	16	119	33	0	S. by E.	7	9th 16h.	12	9th 16 . 18
		52 ‖													
Edinburgh	39	31	—	—	—	—	6	118	44	0	S.	7	7th 2h.	10	6th 19 . 30
6. SCOTLAND, W.															
Eskdalemuir ..	50	22	—	—	—	—	34	73	61	0	SSW.	9	6th 15h.	13	6th 21 . 32
Paisley (Coats Obs.)	81	52	—	—	—	—	4	83	81	0	SW. by S.	6	6th 20h.	12	6th 18 . 33
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	—	—	—	74	94	0	SSE.	5	9th 16h.	10	9th 16 . 30
South Shields ..	61	12	—	—	—	—	17	96	55	0	SE. by S.	8	9th 16h.	11	9th 15 . 35
Spurn Head	40	‡	—	—	—	—	35	96	16	21	—	9	9th 17h.	11	9th 17 . 00
3. ENGLAND, E.															
Gorleston	42	‡	—	—	—	—	62	106	0	0	—	9	10th 19h.	11	10th 18 . 48
Shoeburyness ..	90	‡	—	—	11th	2	63	91	12	0	—	11	11th 8h.	13	11th 7 . 47
4. MIDLAND COUNTIES.															
Benson	81	‡	—	—	—	—	30	87	51	0	E.	8	9th 20h.	12	9th 19 . 58
5. ENGLAND, S.E.															
Dover	40	‡	—	—	—	—	50	68	50	0	—	9	10th 15h.	14	10th 12 . 40
Warlingham ..	33	‡	No Record—instrument under repair.												
Brighton	53	‡	—	—	—	—	58	89	19	2	—	9	9th 21h.	15	10th 10 . 7
Kew†	65	6 ‖	—	—	—	—	28	62	78	0	E. by S.	9	10th 13h.	14	10th 13 . 1
		22 ‖													
South Kensington ..	92	30	—	—	—	—	16	69	83	0	E.	7	10th 16h.	14	11th 10 . 10
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	—	—	—	19	149	0	W.	4	7th 13h.	7	7th 12 . 41
Southport	62	48	—	—	—	—	20	148	0	0	SE.	7	9th 14h.	12	9th 14 . 23
Holyhead*	40	‡	—	—	—	—	39	82	44	3	SSW.	8	6th 12h.	13	6th 12 . 8
8. ENGLAND, S.W.															
Pendennis Castle§ ..	65	24	—	—	10, 11	21	75	49	23	0	ESE.	13	11th 2h.	16	10th 14 . 9
Plymouth	88	2	—	—	Record defective.										
10. IRELAND, S.															
Quilty	40	‡	—	—	8, 11	8	140	17	3	0	—	13	11th 10h.	18	11th 10 . 17
Weaver Pt.	30	‡	—	—	—	—	111	50	7	0	—	9	10th 13h.	13	6th 9 . 50
11. ENGLISH CHANNEL.															
Scilly*	32 ‖	‡	—	—	—	—	71	83	14	0	E. by S.	10	10th 20h.	14	10th 19 . 24
	19 ‖														

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTY-SIXTH WEEK—September 5th to September 11th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	73	39	65·0	49·8	57·1	+ 3·9	106	+ 27	0	0	2	− 3	0·23	6	− 19	5·8	+2·2	43	1023
Eastern.																			
1. SCOTLAND, EAST ...	77	29	68·1	46·6	56·9	+ 2·7	104	+ 18	0	0	1	− 3	0·01	0	− 13	7·0	+2·6	52	1024
2. ENGLAND, N.E.	75	35	66·9	48·4	57·2	+ 1·3	103	+ 8	0	0	1	− 2	0·02	1	− 14	7·8	+3·0	58	1026
3. ENGLAND, EAST ...	75	35	67·0	49·5	57·9	+ 0·2	111	+ 1	0	0	1	− 2	0 01	0	− 12	9·1	+3·7	68	1027
4. MIDLAND COUNTIES ...	75	32	69·5	45·1	56·7	+ 0·2	103	+ 1	0	0	0	− 3	0·00	0	− 13	8·5	+3·8	64	1026
5. ENGLAND, S.E.	75	32	67·7	47·4	57·1	− 1·7	106	− 12	0	0	0	− 3	0 00	0	− 14	10·2	+4·6	76	1026
Western.																			
6. SCOTLAND, WEST ...	73	35	66·7	48·8	57·3	+ 2 5	107	+ 17	0	0	2	− 1	0·23	6	− 18	6·6	+1·9	49	1025
7. ENGLAND, N.W.	76	34	68·4	49·2	58·3	+ 2·0	114	+ 14	0	0	1	− 2	0 07	2	− 16	7·8	+3·2	59	1025
8. ENGLAND, S.W.	76	34	67·1	47·8	57·0	− 0·5	105	− 3	0	0	0	− 4	0 00	0	− 18	9·3	+4·0	71	1025
9. IRELAND, NORTH ...	73	40	66·5	51·0	58·4	+ 3·2	115	+ 22	0	0	2	− 3	0·09	2	− 18	5·7	+1·7	43	1021
10. IRELAND, SOUTH ...	73	43	66·7	52·8	59·4	+ 3·0	122	+ 21	0	0	3	− 1	0 21	5	− 13	6·5	+1·8	49	1022
11. ENGLISH CHANNEL ...	77	44	69·1	52·8	60·6	+ 0·5	130	+ 3	0	0	0	− 3	0·00	0	− 14	10·8	+4·3	82	1023

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 2 Weeks, August 29th to September 11th, 1915.

0. SCOTLAND, NORTH ...	76	37	59·8	46·9	53·0	*	154	− 7	0	0	7	− 3	0·78	20	− 33	4·2	+0·6	30	1018
Eastern.																			
1. SCOTLAND, EAST ...	77	26	63·0	43·9	53·0	*	157	− 19	2	+ 2	5	− 4	0·69	17	− 14	6·0	+1·5	43	1019
2. ENGLAND, N.E.	75	32	63·4	46·4	54·4	*	173	− 28	0	0	6	− 1	0·83	22	− 9	6·7	+1·9	50	1019
3. ENGLAND, EAST ...	75	35	63·7	48·1	55·6	*	189	− 36	0	0	6	− 1	0·61	15	− 11	6·7	+1·3	50	1019
4. MIDLAND COUNTIES ...	75	32	65·1	45·1	54·6	*	176	− 33	0	0	3	− 4	0·31	8	− 21	6·8	+2·0	50	1020
5. ENGLAND, S.E.	75	32	65·1	47·4	55·8	*	194	− 47	0	0	4	− 3	0·75	19	− 12	7·5	+1·9	56	1019
Western.																			
6. SCOTLAND, WEST ...	73	31	62·5	45·3	53·5	*	161	− 23	1	+ 1	5	− 3	0·52	13	− 40	6·3	+1·7	46	1020
7. ENGLAND, N.W.	76	33	63·9	47·2	55·1	*	183	− 22	0	0	5	− 3	0·80	20	− 21	7·1	+2·6	53	1020
8. ENGLAND, S.W.	76	31	64·3	47·4	55·4	*	188	− 33	0	0	4	− 4	0·47	12	− 29	7·6	+2·3	57	1020
9. IRELAND, NORTH ...	73	34	62·6	48·3	55·1	*	183	− 6	0	0	7	− 3	0·59	15	− 29	5·7	+1·7	42	1018
10. IRELAND, SOUTH ...	73	37	64·0	49·6	56·5	*	203	− 4	0	0	6	− 2	0·52	13	− 28	6·7	+2·1	50	1020
11. ENGLISH CHANNEL ...	77	44	65·8	51·8	58·5	*	231	− 27	0	0	4	− 4	1·03	27	− 4	9·0	+2·5	67	1019

THE YEAR.—Aggregates, &c., for the Period of 36 Weeks, January 3rd to September 11th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·5	40·7	46·4	*	1624	− 9	503	− 54	156	− 9	28·79	731	− 91	3·7	+0·1	27	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·2	39·4	46·5	*	1759	− 97	632	+ 12	134	− 3	19·95	507	− 3	4·4	+0·1	32	1011
2. ENGLAND, N.E.	85	20	55·6	42·0	48·5	*	2050	+ 2	403	− 72	122	− 1	17·14	435	+ 25	4·8	+0·2	36	1013
3. ENGLAND, EAST ...	90	18	56·9	43·1	49·7	*	2323	− 47	381	−140	126	+ 7	18·64	476	+ 88	5·0	0·0	38	1013
4. MIDLAND COUNTIES ...	87	19	57·5	41·4	49·1	*	2246	− 92	451	− 82	112	− 6	19·17	488	+ 49	4·7	+0·2	36	1014
5. ENGLAND, S.E.	88	15	57·5	43·8	50·3	*	2431	−106	318	− 63	103	−10	19·86	508	+ 86	5·1	0·0	39	1014
Western.																			
6. SCOTLAND, WEST ...	78	18	55.1	41·6	48·1	*	1955	− 38	435	+ 10	131	−12	24·03	612	−147	4·8	+0·4	36	1013
7. ENGLAND, N.W.	77	21	55·5	43·0	49·0	*	2100	− 67	344	− 42	118	−13	22·12	563	+ 6	4·9	+0·4	38	1013
8. ENGLAND, S.W.	79	17	56·6	44·2	49·9	*	2293	−102	298	− 3	122	− 7	24·87	632	+ 36	5·0	0·0	38	1014
9. IRELAND, NORTH ...	75	20	54·8	42·6	48·5	*	1990	− 90	352	+ 7	151	− 6	22·00	561	− 68	4·2	+0·1	31	1012
10. IRELAND, SOUTH ...	78	21	56·8	44·2	50·2	*	2346	− 41	284	+ 25	148	+ 9	24·94	638	− 20	4·6	+0·1	35	1014
11. ENGLISH CHANNEL ...	81	27	57·1	47·1	51·9	*	2613	−100	120	+ 11	117	−19	20·04	505	+ 19	5·7	−0·3	44	1015

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics
South Kensington, S.W., September 16th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 37. THIRTY-SEVENTH WEEK, SUNDAY, SEPTEMBER 12TH, TO SATURDAY, SEPTEMBER 18TH, 1915.

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I.—Remarks.

The weather was upon the whole fine and dry. At several stations scattered about the eastern half of England there was no rain, but most parts of the Kingdom had a little rain early in the week, Ireland slight amounts on most days, and Scotland rather larger quantities after the 16th. In all districts except Scotland East there was a decided deficit. Thunderstorms occurred locally in Essex on the 13th, and thunder was heard at Marchmont. Temperature was above the average, the excess being 4° or more over the greater part of England and Ireland. The high mean temperature in the English districts was due more to the warmth of the nights than to the heat of the daytime. The highest of the maxima were recorded on the 12th at many northern stations, but in Great Britain generally they occurred on the 15th or 16th. At Raunds and Tottenham the thermometer reached 80°. Over a considerable area in the south-west, however, and in Ireland the highest readings occurred on the 18th. The lowest minima were recorded, as a rule, early in the week. At Balmoral the minimum on the 12th was as low as 31°. Bright sunshine was much less abundant than during the preceding week, and in several districts it was below, or only just equal to, the average. The greatest divergence from the normal was + 1·5 hours per day in Scotland North. In the English Channel district the mean daily amount was 6·2 hours, or 0·4 hour below the average, and in England South-East the corresponding values were 5·9 hours and + 0·5 hour.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Very unusual	Very unusual	Unusual	Unusual	Unusual	Very unusual	Unusual	Unusual	Very unusual
	Rainfall ...	Moderate	Moderate	Light	Light	Light	Light	Moderate	Light	Light	Moderate	Moderate	Moderate
	Sunshine ...	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate

THE SEASON.

AUTUMN. 3 weeks from Aug. 29th, 1915.	Warmth ...	2, 0, 1	2, 0, 1	2, 0, 1	1, 1, 1	1, 1, 1	1, 0, 2	2, 0, 1	2, 0, 1	1, 1, 1	2, 0, 1	2, 0, 1	1, 1, 1
	Rainfall ...	0, 1, 2	0, 2, 1	1, 0, 2	0, 1, 2	0, 0, 3	0, 1, 2	0, 1, 2	0, 1, 2	0, 0, 3	1, 0, 2	0, 1, 2	0, 1, 2
	Sunshine ...	2, 0, 1	1, 2, 0	1, 2, 0	1, 1, 1	1, 2, 0	1, 2, 0	2, 0, 1	2, 1, 0	2, 1, 0	2, 1, 0	2, 0, 1	1, 2, 0

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, September 18th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°		°		°	°	°	°
SCOTLAND, N. Lerwick	53	52	52·7	+0·9	IRELAND, S.W. Cleggan	—	—	—	—
Wick	50	49	49·9	−2·7	ENGLAND, N.E. Burnmouth, Berwick	54	51	53·2	+0·3
SCOTLAND, W. Ballantrae	58	55	56·9	+2·0	ENGLAND, E. Shipwash Lightship	62	60	61·5	+0·6
ENGLAND, S.W. Scilly	—	—	—	—	ENGLAND, S.E. Eastbourne‡	62	60	61·0	−0·2
Plymouth‡	62	61	61·3	+2·0					
IRELAND, N.W. Sheephaven	60	55	58·0	+0·5	ENGLAND, N.W. Port Erin	58	53	57·0	+0·9

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(6114—19.) Wt. 160—610. 450. 9/15. D & S. G. 20/ 36.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.	*31*																						
a, Islands .. *p Baltasound*	54	56	16th	42	18th	53·3	47·7	50·4	− 0·4	2	0·24	6	—	5·2	+ 1·5	40							*Baltasound.*
a Lerwick	51	64	15th	44	12th	59·3	49·3	54·1	+ 2·1	5	0·44	11	− 15	5·3	+ 1·4	41							Deerness.
a Stornoway	*37*	*60*	*16th*	*48*	*14th*	*58·7*	*51·4*	*54·9*	+ *1·7*	*7*	*0·85*	*22*	—	*3·5*	—	*27*							Stornoway.
a Castlebay, Barra Isd. ..	81	64	16th	45	14,18	57·3	49·1	53·0	+ 0·9	3	0·75	19	+ 4										*Castlebay.*
b, Main- *a* Wick	200	66	15th	40	12th	61·0	46·4	53·4	+ 1·1	3	1·05	27	+ 13	5·2		40							Strathpeffer.
land. *p* Strathpeffer	500	70	12th	41	12th	60·1	47·3	53·4	+ 2·3	6	1·23	32	− 17										
p Glencarron	68	71	12th	39	12th	62·9	48·9	55·6	+ 2·7	5	0·46	12	− 11	4·6	+ 1·8	35							Fort Augustus.
p Fort Augustus.. ..	171	69	12th	44	12th	63·7	50·1	56·6	+ 3·2	6	0·52	13	− 29										
p Fort William																							
1. SCOTLAND, E.																							
p Gordon Castle	101	72	15th	37	12th	64·0	47·3	55·3	+ 1·8	3	0·58	15	0	5·3	—	41	1	29	56·6	+2·3	55·1	+0·4	Crathes.
a Nairn	82	70	15th	39	12th	61·6	45·4	53·1	0·0	3	0·63	16	+ 3	*5·6*	—	*43*							*Gordon Castle.*
a Aberdeen	46	70	15, 16	43	14th	62·3	49·7	55·7	+ 2·5	3	0·48	12	− 2	5·7	—	44							Nairn.
a Balmoral	930	71	15th	31	12th	65·6	43·0	53·8	+ 3·9	3	0·83	21	+ 4	4·9	+ 0·7	38					53·8	+1·0	Aberdeen.
p Crieff	432	68	15th	41	14th	63·6	48·6	55·7	+ 1·8	4	0·57	14	− 5	4·4	—	34	2	29					Balmoral.
a Leith	18	68	16th	44	12th	63·4	51·1	57·0	+ 2·0	3	0·31	8	− 3				0	41					Balruddery.
a West Linton	769	66	12th	42	12th	60·7	47·3	53·7	+ 3·1	5	0·32	8	—	*3·3*	—	*26*	0	37					*West Linton.*
p Marchmont	498	67	12, 15, 17	45	12th	65·0	49·9	57·1	+ 4·6	3	0·56	14	− 2	4·3	+ 0·3	33	0	41					Marchmont.
a Edinburgh	*441*	*68*	*12th*	*47*	*12th*	*63·6*	*51·3*	*57·2*	—	*3*	*0·36*	*9*	—	3·7	—	29	0	37					Edinburgh.
6. *a*, SCOTLAND, W.																							
a Poltalloch	132	66	12th	48	12th	61·4	52·4	56·7	+ 2·3	4	1·58	40	+ 11										
p Glasgow Observatory	180	68	12th	49	18th	63·6	53·1	58·1	+ 4·7	5	0·41	10	− 10	3·4	− 0·1	26	0	45					Glasgow.
p Rothesay‡	170	65	12th	48	18th	61·6	51·3	56·2	+ 2·0	5	0·85	22	− 4	*2·7*	—	*21*	0	38	58·1		56·0	+2·1	*Rothesay.*
a Kilmarnock	90	69	12th	45	12th	64·3	51·9	57·8	+ 4·2	4	0·26	7	—	*4·3*	—	*33*							*Kilmarnock.*
a Colmonell	170	70	17th	43	14th	65·7	50·3	57·6	+ 2·9	3	0·18	5	− 19				0	39					
a Dumfries	160	70	12th	45	12, 14	64·3	52·0	57·9	+ 3·0	2	0·15	4	− 14	*4·3*	—	*33*	0	36	57·7		57·0		*Dumfries.*
Eskdalemuir	*799*	*66*	*12th*	*43*	*13th*	*61·0*	*47·3*	*53·8*	—	*5*	*0·53*	*13*	—	*4·2*	—	*33*							*Eskdalemuir.*
p Cally, Gatehouse ..	120	71	17th	41	12th	65·4	50·6	57·6	+ 4·6	2	0·11	3	− 21										
b, I. OF MAN. *p* Douglas	277	68	16th	50	14th	62·1	54·3	58·0	+ 3·6	4	0·29	7	− 16	4·1	− 0·8	32	0	45					Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	70	16th	45	13th	64·3	52·3	58·0	+ 4·4	3	0·30	8	− 6	5·1	—	40	0	38	56·5	+4·0	54·7†	+1·4	Cockle Park.
a Tynemouth	71	70	16th	49	14th	63·9	53·0	58·2	+ 3·6	3	0·20	5	− 6										*Tynemouth.*
p Durham	336	71	16th	47	14th	64·6	50·1	57·0	+ 2·6	2	0·22	6	− 5	4·7	+ 0·7	36	0	40					Durham.
a, North .. *p* Rounton	249	72	16th	45	14th	65·7	50·0	57·5	+ 3·5	1	0·01	0·3	− 11				0	40	58·4				Rounton.
a West Witton ..	*605*	*69*	*12, 16*	*48*	*14th*	*64·1*	*52·0*	*57·8*	—	*2*	*0·09*	*2*	—				0	38	56·9		53·3		*West Witton.*
p Scarborough	100	76	16th	51	14th	68·1	54·1	60·8	+ 5·2	1	0·02	1	− 11	4·6	—	34					58·5†		Scarborough.
p York	56	73	16, 17	49	14th	68·0	54·0	60·7	+ 4·9	0	0·00	0	− 11	4·9	+ 0·8	38			58·8	+2·4	57·2	+1·0	York.
a Spurn Head	26	70	17th	51	14th	66·4	55·3	60·6	+ 3·8	0	0·00	0	− 9	*4·6*	—	*33*							*Spurn Head.*
b, South .. *a* Lincoln	58	70	15, 17	47	14th	66·3	54·4	60·1	+ 3·7	0	0·00	0	− 11						61·2	+4·6	58·3	+1·7	Lincoln.
a Fulbeck	180	75	16th	46	14th	69·1	53·0	60·7	+ 4·3	2	0·03	1	− 10	4·2	—	*33*	0	42	59·7	+1·3	57·0	−0·6	Rauceby.
														4·9	—	38							Skegness.
3. ENGLAND, E.																							
p Cromer	196	75	17th	49	14th	70·4	56·1	62·9	+ 6·4	2	0·04	1	—	4·9	—	38							Cromer.
p Little Massingham ..	280	74	12, 17	46	14th	69·7	52·7	60·8	+ 4·5	1	0·05	1	− 13	4·3	− 0·5	33	0	41					Lit. Massingham.
a, North .. *a* Yarmouth	17	75	16th	49	14th	67·9	54·7	61·0	+ 4·0	1	0·12	3	− 9	4·9	—	39			61·7	+2·5	59·6	−0·4	Yarmouth.
a Norwich	93	75	16th	46	13th	69·9	53·0	61·0	+ 4·0	0	0·00	0	—	*5·1*	—	40	0	43	59·5				*Norwich.*
a Geldeston	37	76	13th	43	12th	70·9	51·0	60·5	+ 3·9	2	0·02	1	− 11	4·9	− 0·4	39							Geldeston.
p Cambridge	41	76	16th	44	13, 14	70·9	52·0	61·0	+ 3·7	1	0·02	1	− 10	4·6	− 0·5	36	0	39	61·0	+2·9	59·5	+0·8	Cambridge.
b, South .. *a* Clacton-on-Sea ..	54	75	17th	50	14th	68·0	56·3	62·4	+ 4·9	1	0·08	2	—	6·2	—	49	0	45	60·7	+2·1	59·3	+0·2	Clacton.
a Rothamsted	424	74	16, 17	45	13th	69·9	52·4	60·7	+ 4·9	2	0·07	2	− 11	6·3	+ 1·3	50	0	35	58·6				Rothamsted.
p Tottenham	51	80	17th	46	13th	73·3	55·9	64·2	+ 6·6	0	0·00	0	—	6·5	—	51	0	44			60·4	−0·1	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	68	17th	48	14th	64·0	53·1	58·3	+ 4·2	3	0·06	2	− 13	4·8	—	37	0	42	56·8	+2·1	55·8†	+1·6	Harrogate.
p Buxton	*987*	*70*	*17th*	*48*	*12, 13*	*64·3*	*51·6*	*57·7*	+ *5·1*	*2*	*0·36*	*9*	− *13*	*4·7*	—	*37*	0	41	57·2	+2·9	55·3	+0·9	*Buxton.*
														4·2	—	33	0	48	58·4		55·5	−0·8	Sheffield.
a Bawtry	65	73	17th	47	12, 14	67·7	52·3	59·6	+ 4·1	0	0·00	0	− 10	3·5	− 0·6	27	0	37	58·3		56·4		Worksop.
a Nottingham	82	75	16, 17	45	14th	69·7	51·3	60·1	+ 4·2	1	0·04	1	− 11	4·0	—	31	0	41	59·9	+4·3	58·0	+0·6	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	75	17th	50	12, 14	69·3	54·7	61·7	+ 5·9	1	0·05	1	− 11	4·4	—	35	0	39	57·2	+3·6	53·9	+0·4	Birmingham.
a Raunds	203	80	17th	44	14th	73·0	51·6	61·8	+ 5·8	1	0·03	1	—	*4·7*	—	*37*	0	34	60·9		58·5		*Raunds.*
p Oxford	208	76	18th	46	12th	70·9	53·1	61·9	+ 4·9	1	0·05	1	− 10	5·2	+ 0·2	41	0	38					Oxford.
a Cheadle	646	73	17th	47	14th	68·6	52·1	60·0	+ 5·8	3	0·12	3	− 13				0	45					Cheadle.
p Shrewsbury	191	76	14th	45	12th	68·9	52·6	60·8	+ 4·6	1	0·07	2	—				0	38					Shrewsbury.
c, West .. *a* Hereford§	291	76	17th	39	12th	70·9	49·4	59·6	+ 3·5	2	0·16	4	− 8	*6·7*	—	*53*	0	34	60·3		59·5		*Malvern.*§
a Cirencester	446																						Cirencester.
a Bath	66	78	18th	47	12th	71·3	52·6	61·5	+ 4·4	3	0·20	5	− 9	5·7	—	45			61·1	+1·1	59·8	−0·6	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	78	18th	41	12th	70·9	49·7	59·8	+ 5·0	3	0·15	4	− 10	6·1	—	48	0	43	60·6	+1·2	59·6	−0·2	Worthing.
a Margate	53	76	17th	55	12th	69·9	58·6	64·0	+ 5·3	0	0·00	0	− 12	4·9	+ 0·4	32	0	33	59·0		56·9		Marlborough.
a Wisley, Surrey ..	150	78	17th	42	13th	72·9	52·6	62·3	+ 4·7	1	0·02	1	—	6·1	+ 1·0	48	0	47	62·5	+4·3	60·6	+2·3	Margate.
p Salisbury (Wilton) ..	180	77	17th	42	12th	71·4	50·9	60·7	+ 3·9	3	0·19	5	− 8	5·9	—	46	0	36	59·9	+1·8	57·8	−1·1	Wisley.
a Tunbridge Wells ..	354	75	17th	46	13th	71·9	53·6	62·3	+ 5·7	2	0·06	2	− 12				0	40	61·6				Salisbury.
														6·5	+ 1·1	51	0	37	60·9	+2·3	59·2		Tunbridge Wells.
a Dungeness	21	70	15, 17	45	13th	67·3	53·0	59·8	+ 1·1	2	0·08	2	− 10										Littlestone.
p Hastings.. ..	178	72	17th	53	14th	67·9	56·4	61·9	+ 3·4	2	0·15	4	− 11	7·2	+ 1·5	57	0	47	61·3		59·1		Hastings.
p Southampton	64	75	17th	49	12th	70·6	55·1	62·5	+ 3·8	2	0·20	5	− 9	5·3	− 0·2	42	0	39					Southampton.
a Ventnor	59	71	17th	54	14th	68·3	57·7	62·8	+ 3·1	3	0·18	5	− 10	5·9	0·0	46							Ventnor.
LONDON. *p* Kew	18	75	16, 17	46	13th	71·4	55·2	62·9	+ 6·1	1	0·04	1	− 11	5·3	+ 0·4	42	0	39	59·5	+1·7	57·9	+0·2	Kew.
a Westminster	*27*	*78*	*17th*	*48*	*13th*	*73·1*	*56·2*	*64·2*	+ *6·6*	*1*	*0·05*	*1*	− *10*	*5·5*	+ *1·3*	*43*	0	47					*Westminster.*
a Greenwich	*155*	*79*	*17th*	*45*	*13th*	*74·0*	*54·9*	*64·0*	+ *5·8*	*1*	*0·03*	*1*	− *10*	*5·7*	+ *0·3*	*45*	0	34					*Greenwich.*
a Hampstead	*450*	*76*	*16th*	*50*	*12, 13*	*71·1*	*54·1*	*62·2*	—	*1*	*0·07*	*2*	—	*6·3*	—	*50*	0	34					*Hampstead.*
a Camden Square ..	*110*	*80*	*16, 17*	*47*	*13th*	*75·4*	*55·6*	*65·0*	—	*1*	*0·05*	*1*	—	*5·5*	—	*43*	0	41					*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	70	12th	46	12th	64·4	52·9	58·4	+ 4·5	2	0·08	2	− 20	4·7	—	36							Hoylake.
p Newton Rigg	559	68	13, 16	44	14th	64·7	50·1	57·1	+ 4·7	3	0·04	1	− 16	4·3	+ 0·1	33	0	41	57·5		55·0		Aspatria.
p Stonyhurst	375	69	12th	52	12, 13, 14	64·3	53·9	58·9	+ 4·4	2	0·16	4	− 21	5·2	—	40	1	29	57·3	+1·7	55·1	+0·3	Newton Rigg.
p Blackpool	66	70	12th	49	12th	65·7	54·7	59·9	+ 4·1	2	0·03	1	− 18	3·9	− 0·4	30	0	46					Stonyhurst.
a Southport	*37*	*70*	*12th*	*48*	*12th*	*65·0*	*55·7*	*60·1*	+ *4·5*	*2*	*0·15*	*4*	− *14*	4·2	− 0·2	33	0	39	59·8		57·3		Blackpool.
a Liverpool (Bidston) ..	188	71	18th	51	12th	65·4	55·1	60·0	+ 4·4	*4·4*	*− 0·1*	*34*					0	39	60·0	+2·6	58·9	+0·3	*Southport.*
a Hawarden Bridge ..	*22*	*75*	*17th*	*49*	*12th*	*69·0*	*55·1*	*61·7*	+ *4·9*	*1*	*0·09*	*1*	− *11*	*4·6*	—	*38*							*Liverpool.*
p Manchester (Whit. Pk.)	125	74	17th	49	14th	68·7	55·1	61·6	+ 5·7	2	0·14	4	− 12	*4·2*	—	*33*	0	42	59·7	+3·5	59·0	+1·2	*Manchester (City)*
														4·2	+ *0·7*	*33*							*„ (Whit. Park)*
b NORTH WALES.																							
p Llandudno	71	72	12, 16	49	12th	69·1	53·0	62·2	+ 5·4	2	0·05	1	− 13	5·4	+ 1·0	42							Llandudno.
a Holyhead	15	73	18th	49	12th	65·9	54·7	60·5	+ 4·9	1	0·13	3	− 14	*4·2*	—	*33*							*Holyhead.*
p Bettws-y-Coed	*148*	*78*	*18th*	*43*	*12th*	*68·9*	*53·1*	*60·6*	+ *4·5*	*4*	*0·17*	*4*	—	*4·5*	—	*35*			56·0	+2·3	53·7	−0·6	*Bettws-y-Coed.*
														5·0	—	39							Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. Previous height 90 feet.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. in Degrees Fahrenheit.				Mean for the Week.				Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference (from average	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES																						
a Llangammarch Wells	550	72	17, 18	40	12th	68·0	47·2	57·1	+ 3·0	4	0·11	3	—	4·7	—	37	*	*	*	*	*	*	Aberystwyth
a Pembroke	149	65	17th	53	12th	63·1	54·6	58·7	+ 1·9	4	0·29	7	- 10	4·4	—	33	0	33	56·8	+1·3	54·0	-1·2	Llangammarch.
p Cardiff	202	75	17th	47	12th	69·4	54·3	61·5	+ 4·9	3	0·58	15	- 6	*5·1*	—	*40*	0	43	59·9	+2·9	58·0	-0·1	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																						
a Clifton	229	78	18th	49	12th	71·9	55·3	63·2	+ 5·6	3	0·30	8	- 8	*5·2*	—	*41*	0	48	*	*	*	*	*Clifton.*
a Shaftesbury	723	73	17, 18	49	12th	67·7	54·1	60·6	+ 4·6	3	0·31	8	- 8	*	*	*	*	*	60·5	*	59·6	*	Shaftesbury.
a Arlington	613	75	17th	48	12th	68·0	50·9	59·0	+ 3·6	4	1·05	27	0	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*72*	*17th*	*51*	*12, 13*	*67·0*	*54·4*	*60·4*	+ *2·6*	*3*	*0·23*	*6*	- *11*	4·7	- 0·7	37	0	44	60·9	*	58·8	*	Newquay.
a Cullompton	202	76	18th	45	12th	71·7	51·9	61·3	+ 4·8	4	0·26	7	- 8	4·7	- 0·3	37	0	38	60·1	*	*	*	Cullompton.
a Portland Bill	19	67	18th	55	12th	64·6	57·0	60·6	+ 1·9	3	0·06	1	—	*4·8*	—	*38*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	118	72	18th	50	13th	68·6	54·7	61·3	+ 3·5	3	0·16	4	- 12	5·4	0·0	43	*	*	61·1	+2·1	58·9	*	Plymouth.
a Falmouth	167	72	16th	53	14th	67·0	56·1	61·3	+ 3·6	5	0·26	7	- 13	4·1	- 1·5	32	0	45	63·7	*	61·5	*	Falmouth.
9. IRELAND. N.																						
a, West .. { *a* Malin Head	208	65	12, 15	50	14th	61·6	53·0	57·1	+ 2·3	4	0·76	19	+ 1	2·7	—	*21*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	71	18th	50	12th	63·0	52·3	57·4	+ 2·5	5	0·69	17	- 8	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	73	18th	44	13th	67·6	49·0	57·9	+ 4·0	4	0·29	7	- 15	3·7	0·0	29	0	38	58·1	*	56·0	*	Markree Castle.
a Birr Castle	175	73	18th	42	12th	68·0	50·7	58·9	+ 4·3	4	0·38	10	- 5	*4·0*	- *0·3*	*31*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	72	16th	43	12th	66·4	50·7	58·2	+ 4·1	3	0·15	4	- 13	4·3	+ 0·4	34	0	34	58·1	+1·4	56·5	0·0	Armagh.
a Donaghadee	101	68	16th	47	14th	63·1	52·1	57·3	+ 2·2	2	0·06	1	- 16	*	*	*	*	*	*	*	*	*	*
														*	*	*	0	41	59·2	+2·1	57·0	0·0	Trinity Coll.
10. IRELAND. S.														5·2	+ 0·4	41	0	34	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	72	18th	51	12th	67·4	55·0	60·9	+ 4·7	4	0·24	6	- 7	*	*	*	0	46	*	*	*	*	Dublin City.
a Kilkenny	212	71	16th	44	12th	67·9	50·6	58·8	+ 3·6	4	0·34	9	- 6	*	*	*	*	*	*	*	*	*	*
a Waterford	20	72	16th	45	13, 15	66·9	51·3	58·7	+ 2·9	3	0·06	2	- 16	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*69*	*15, 16, 18*	*45*	*12th*	*66·7*	*51·6*	*58·8*	—	*1*	*0·30*	*8*	—	*3·7*	—	*29*	0	? 39	*	*	*	*	*Seskin.*
b, West .. { *a* Birr Castle	175	73	18th	43	12th	68·0	50·7	58·9	+ 4·3	4	0·38	10	- 5	4·0	- 0·3	31	*	*	*	*	*	*	Birr Castle.
a Foynes	50	73	17, 18	48	15th	68·4	53·1	60·4	+ 4·6	5	0·36	9	- 9	*	*	*	*	*	*	*	*	*	*
a Cahir	198	73	18th	43	12th	68·1	50·0	58·6	+ 3·3	4	0·48	12	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	77	18th	49	13th	70·1	55·3	62·3	+ 6·7	4	0·31	8	- 15	*	*	*	*	*	*	*	*	*	*
a Valencia	30	75	18th	48	13th	67·0	55·3	60·9	+ 4·2	5	0·56	14	- 11	3·1	- 1·3	24	*	*	*	*	*	*	Valencia.
a Roche's Point ..	32	67	18th	50	15th	64·6	54·9	59·5	+ 2·8	7	0·59	15	- 3	2·8	—	22	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	67	12, 17, 18	55	12–14	65·9	56·6	61·0	+ 2·2	4	0·19	5	- 10	4·2	- 1·6	33	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	77	18th	50	12th	72·0	56·9	64·1	+ 3·4	1	0·08	2	- 14	7·0	+ 0·7	55	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	76	17, 18	54	12th	72·3	57·1	64·3	+ 4·3	2	0·22	6	- 12	7·3	+ 1·2	57	0	43	63·0	+1·6	61·6	+0·2	Guernsey †

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, September 18th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	m/s.		m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	‡15**	—	—	—	—	4	82	61	21	W. 7	16th 12h.	15 16th 11 . 37
Aberdeen*	105	37 ‖ / 52 ‖	—	—	—	—	9	130	29	0	W. 10	16th 12h.	16 16th 11 . 25
Edinburgh	39	31	—	—	—	—	—	—	—	—	—	—	— — —
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	17th	2	60	85	21	0	SW. by W. 12	17th 9h.	21 18th 16 . 57
Paisley (Coats Obs.)	81	52	—	—	—	—	16	115	37	0	NW. by W. 10	16th 4h.	21 16th 4 . 20
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	—	77	91	0	SE. 5	12th 12h.	11 17th 16 . 49
South Shields ..	61	12	—	—	16th	2	36	101	29	0	WNW. 11	16th 10h.	16 16th 12 . 26
Spurn Head ..	40	‡	—	—	—	—	53	87	2	26	— 8	16th 13h.	11 18th 15 . 43
3. ENGLAND, E.													
Gorleston	42	‡	—	—	—	—	28	139	1	0	— 8	13th 14h.	10 16th 12 . 44
Shoeburyness ..	90	‡	—	—	—	—	23	130	15	0	— 7	18th 24h.	11 14th 12 . 25
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	6	114	18	0	SSW. 6	14th 15h.	12 18th 19 . 55
5. ENGLAND, S.E.													
Dover	40	‡	—	—	—	—	26	83	59	0	— 8	15th 15h.	12 15th 14 . 50
Warlingham ..	33	‡	No Record—instrument under repair.										
Brighton	53	6	—	—	—	—	14	128	26	0	— 7	18th 21h.	12 18th 21 . 16
Kew†	65	6 ‖ / 22 ‖	—	—	—	—	1	114	53	0	E. by S. 7	18th 19h.	10 14th 12 . 2
South Kensington ..	92	30	—	—	—	—	—	101	67	0	E. 6	18th 18h.	10 18th 20 . 27
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	1	66	101	0	W. 6	17th 11h.	10 17th 10 . 42
Southport	62	48	—	—	13, 16	2	88	66	12	0	WSW. 11	16th 2h.	15 16th 1 . 21
Holyhead*	40	‡	—	—	17th	1	98	68	1	0	SSW. 11	17th 14h.	15 17th 14 . 20
8. ENGLAND, S.W.													
Pendennis Castle§ ..	65	24	—	—	14th	2	42	74	50	0	SW. 13	14th 19h.	16 14th 10 . 15
Plymouth	88	2	Record defective.										
10. IRELAND, S.													
Quilty	40	‡	—	—	18th	10	113	42	3	0	— 13	18th 24h.	17 18th 23 . 37
Weaver Pt.	30	‡	—	—	14th	1	54	109	4	0	— 11	14th 4h.	16 14th 3 . 40
11. ENGLISH CHANNEL.													
Scilly*	32 / 19	‡	—	—	—	—	32	104	32	0	SW. 9	14th 9h.	13 14th 9 11

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTY-SEVENTH WEEK—September 12th to September 18th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	71	39	59·7	48·4	53·8	+ 1·2	83	+ 9	0	0	4	0	0·67	17	− 6	5·1	+1·5	39	1016
Eastern.																			
1. SCOTLAND, EAST ...	72	31	63·3	47·8	55·2	+ 2·0	92	+ 12	0	− 1	3	0	0·54	14	+ 3	4·7	+0·5	36	1017
2. ENGLAND, N.E.	76	45	66·3	52·9	59·3	+ 4·3	121	+ 29	0	0	1	− 2	0·09	2	− 10	4·7	0·0	37	1019
3. ENGLAND, EAST ...	80	43	70·2	53·8	61·6	+ 4·8	137	+ 33	0	0	1	− 1	0·04	1	− 9	5·3	+0·1	42	1020
4. MIDLAND COUNTIES ...	80	39	69·5	52·3	60·5	+ 4·8	130	+ 34	0	0	2	0	0·08	2	− 8	4·5	−0·1	36	1020
5. ENGLAND, S.E.	78	41	70·3	54·3	61·9	+ 3·9	139	+ 27	0	0	2	0	0·11	3	− 8	5·9	+0·5	47	1021
Western.																			
6. SCOTLAND, WEST ...	71	41	63·6	52·0	57·5	+ 3·7	109	+ 24	0	0	4	0	0·48	12	− 8	3·8	−0·8	29	1018
7. ENGLAND, N.W.	74	44	66·2	54·1	59·8	+ 4·1	125	+ 29	0	0	2	− 1	0·08	2	− 12	4·7	+0·1	36	1019
8. ENGLAND, S.W.	78	40	68·0	53·6	60·5	+ 3·6	130	+ 26	0	0	4	+ 2	0·34	9	− 5	4·7	−0·4	37	1021
9. IRELAND, NORTH ...	73	43	65·0	51·3	57·8	+ 3·1	111	+ 22	0	0	4	+ 1	0·39	10	− 5	4·0	0·0	31	1016
10. IRELAND, SOUTH ...	77	43	67·6	52·9	59·9	+ 4·0	125	+ 28	0	0	4	+ 1	0·37	9	− 6	3·8	−0·9	29	1018
11. ENGLISH CHANNEL ...	77	50	70·1	56·9	63·1	+ 3·5	148	+ 25	0	0	2	− 1	0·16	4	− 8	6·2	−0·4	49	1021

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 3 Weeks, August 29th to September 18th, 1915.

0. SCOTLAND, NORTH ...	76	37	59·7	47·4	53·3	*	237	+ 2	0	0	11	− 3	1·45	37	− 39	4·5	+0·9	33	1017
Eastern.																			
1. SCOTLAND, EAST ...	77	26	63·1	45·2	53·7	*	249	− 7	2	+ 1	8	− 4	1·23	31	− 11	5·5	+1·1	41	1018
2. ENGLAND, N.E.	76	32	64·3	48·5	56·0	*	294	+ 1	0	0	7	− 3	0·92	24	− 19	6·1	+1·3	46	1019
3. ENGLAND, EAST ...	80	35	65·8	50·0	57·6	*	326	− 3	0	0	7	− 2	0·65	16	− 20	6·3	+0·9	47	1019
4. MIDLAND COUNTIES ...	80	32	66·5	47·5	56·5	*	306	+ 1	0	0	5	− 4	0·39	10	− 29	6·0	+1·3	45	1020
5. ENGLAND, S.E.	78	32	66·8	49·7	57·8	*	333	− 20	0	0	6	− 3	0·86	22	− 20	7·0	+1·4	53	1020
Western.																			
6. SCOTLAND, WEST ...	73	31	62·8	47·5	54·8	*	270	+ 1	1	+ 1	9	− 3	1·00	25	− 48	5·5	+0·9	41	1019
7. ENGLAND, N.W.	76	33	64·6	49·5	56·7	*	308	+ 7	0	0	7	− 4	0·88	22	− 33	6·3	+1·7	48	1019
8. ENGLAND, S.W.	78	31	65·5	49·4	57·1	*	318	− 7	0	0	8	− 2	0·81	21	− 34	6·9	+1·6	52	1020
9. IRELAND, NORTH ...	73	34	63·4	49·3	56·0	*	294	+ 16	0	0	11	− 2	0·98	25	− 34	5·1	+1·1	38	1017
10. IRELAND, SOUTH ...	77	37	65·2	50·7	57·6	*	328	+ 24	0	0	10	− 1	0·89	22	− 34	5·7	+1·1	43	1019
11. ENGLISH CHANNEL ...	77	44	67·2	53·5	60·0	*	379	− 2	0	0	6	− 5	1·24	31	− 12	8·1	+1·6	61	1020

THE YEAR.—Aggregates, &c., for the Period of 37 Weeks, January 3rd to September 18th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·7	40·9	46·6	*	1707	0	503	− 54	160	− 9	29·46	748	− 97	3·7	+0·1	28	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·4	39·7	46·7	*	1851	− 85	632	+ 11	137	− 3	20·49	521	0	4·4	+0·1	33	1012
2. ENGLAND, N.E.	85	20	55·9	42·3	48·8	*	2171	+ 21	403	− 72	123	− 3	17·23	437	+ 15	4·8	+0·2	36	1013
3. ENGLAND, EAST ...	90	18	57·2	43·4	50·0	*	2460	− 14	381	−140	127	+ 6	18·68	477	+ 79	5·1	+0·1	38	1013
4. MIDLAND COUNTIES ...	87	19	57·8	41·7	49·4	*	2376	− 58	451	− 82	114	− 6	19·25	490	+ 41	4·7	+0·2	36	1014
5. ENGLAND, S.E.	88	15	57·9	44·1	50·7	*	2570	− 79	318	− 63	105	−10	19·97	511	+ 78	5·1	0·0	39	1014
Western.																			
6. SCOTLAND, WEST ...	78	18	55·4	41·9	48·3	*	2064	− 14	435	+ 10	135	−12	24·51	624	−155	4·8	+0·4	36	1013
7. ENGLAND, N.W.	77	21	55·8	43·3	49·3	*	2225	− 38	344	− 42	120	−14	22·20	565	− 6	5·0	+0·5	38	1013
8. ENGLAND, S.W.	79	17	56·9	44·4	50·2	*	2428	− 76	298	− 3	126	− 5	25·21	641	+ 31	5·0	0·0	38	1014
9. IRELAND, NORTH ...	75	20	55·1	42·9	48·7	*	2101	− 68	352	+ 7	155	− 5	22·39	571	− 73	4·2	+0·1	31	1012
10. IRELAND, SOUTH ...	78	21	57·1	44·4	50·5	*	2471	− 13	284	+ 25	152	+10	25·31	647	− 26	4·6	+0·1	35	1014
11. ENGLISH CHANNEL ...	81	27	57·5	47·4	52·2	*	2761	− 75	120	+ 11	119	−20	20·20	509	+ 11	5·7	−0·3	44	1015

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., September 23rd, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 149

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 38. THIRTY-EIGHTH WEEK, SUNDAY, SEPTEMBER 19TH, TO SATURDAY, SEPTEMBER 25TH, 1915.

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I.—Remarks.

The most striking feature of the week was an abnormally heavy fall of rain in the north-east of Scotland on the 25th. At Nairn there was as much as 96 mm., at Gordon Castle 67 mm., and at Strathpeffer 29 mm. At the same time 47 mm. fell at Glencarron, 39 mm. at Fort Augustus, and 31 mm. at Fort William. On the preceding day there had been 36 mm. at Edinburgh, 30 mm. at West Linton, 43 mm. at Oxford, 36 mm. at Ventnor and Portsmouth, and 51 mm. at Southampton. Thunder and lightning occurred at Jersey on the 23rd, at Dublin and Kilmarnock on the 24th, and thunder at Douglas and Dumfries on the 25th. In Scotland East the total rainfall was three times the average, and a smaller excess was reported in all districts except England East, Scotland West, and England North-West and South-West. Over the Kingdom generally the weather was dry during the greater part of the week, especially in the eastern half of England. At Yarmouth the week was rainless. Temperature was above the average very generally; in Ireland the excess was about 5°, and in many parts of England about 3°, but it decreased to 1°·1 in Scotland West. Maximum readings above 70° were recorded in all the English districts and in Ireland South, but in Scotland the highest value was 68°. The minima were all above 32°, the lowest reading being 36° in the Midland Counties. On the grass, however, there was a reading of 31° at Greenwich and Malvern. Bright sunshine was less than the normal except in England South-East, East, and North-West, where there was an excess of about 0·5 hour per day. In Scotland West there was a deficit of 2·1 hours per day.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very unusual	Very unusual	Unusual
	Rainfall ...	Heavy	Very heavy	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy
	Sunshine ...	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Very scanty	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

AUTUMN. 4 weeks from Aug. 29th, 1915.	Warmth ...	3, 0, 1	2, 1, 1	3, 0, 1	2, 1, 1	2, 1, 1	2, 0, 2	3, 0, 1	3, 0, 1	2, 1, 1	3, 0, 1	3, 0, 1	2, 1, 1
	Rainfall ...	1, 1, 2	1, 2, 1	1, 1, 2	0, 2, 2	0, 1, 3	1, 1, 2	0, 2, 2	0, 2, 2	0, 1, 3	1, 1, 2	1, 1, 2	1, 1, 2
	Sunshine ...	2, 0, 2	1, 2, 1	1, 3, 0	1, 2, 1	1, 3, 0	1, 3, 0	2, 0, 2	2, 2, 0	2, 2, 0	2, 2, 0	2, 1, 1	1, 3, 0

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, September 25th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	53	52	52·1	+0·6	Cleggan	60	57	58·9	+3·5
Wick	50	50	50·0	−2·1	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	52	50	50·9	−1·7
Ballantrae	58	55	56·3	+2·1	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	62	61	61·7	+1·5
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	62	61	61·1	+2·3	Eastbourne‡	63	60	61·2	+0·9
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	61	58	59·4	+2·4	Port Erin	59	53	57·4	+1·5

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
																Ground Frosts.	Lowest Reading.	Mean.	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	°		in. mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
p Baltasound	*31*																					*Baltasound.*
a, Islands .. *a* Lerwick	54	57	23, 24	42	19th	54·9	49·0	51·8	+ 1·8	2	0·35 9	—	1·7	- 1·9	14							Deerness.
a Stornoway	51	64	20, 24	49	19th	59·1	50·6	54·7	+ 3·6	5	1·14 29	+ 3	2·7	- 1·0	22							Stornoway.
a Castlebay, Barra Isd.	*37*	*61*	*20th*	*54*	*19, 24*	*58·7*	*54·9*	*56·7*	*+ 4·2*	*4*	*0·63 16*	—	*1·8*	—	*15*							*Castlebay.*
a Wick	81	57	22, 23	37	22nd	55·1	47·1	50·9	- 0·4	4	1·04 26	+ 11										
b, Main- *p* Strathpeffer	200	64	20th	42	19, 22	60·0	45·4	52·4	+ 1·0	3	1·27 32	+ 18	2·0	- 1·8	16							Strathpeffer.
land. *p* Glencarron	500	65	22nd	44	24th	59·1	47·4	53·0	+ 2·8	3	2·19 56	+ 5										
p Fort Augustus	68	67	20th	44	24th	61·4	49·0	54·9	+ 2·9	3	1·77 45	+ 22	1·5	- 1·2	12							Fort Augustus.
p Fort William	171	68	20th	46	24th	62·4	49·3	55·5	+ 2·9	3	1·47 37	- 6										
1. SCOTLAND, E.													1·2	—	10	0	37	55·0	+1·1	54·9	+0·2	Crathes.
p Gordon Castle	101	68	24th	47	19, 24	59·7	49·9	54·6	+ 2·0	4	2·85 72	+ 57	*2·0*	—	*16*							*Gordon Castle.*
a Nairn	82	68	20th	44	24th	61·3	46·0	53·3	+ 1·4	2	3·86 98	+ 85	2·8	—	23							Nairn.
a Aberdeen	46	63	24th	48	25th	57·9	51·0	54·3	+ 1·9	3	1·07 27	+ 13	2·1	- 1·9	17					53·6	+1·3	Aberdeen.
a Balmoral	930	64	23rd	38	22nd	60·6	42·7	51·2	+ 2·4	4	1·14 29	+ 12				0	35					Balmoral.
p Crieff	432	66	24th	43	21st	58·7	46·3	52·2	- 0·7	4	1·22 31	+ 12	2·0	—	16							Balruddery.
a Leith	18	66	21st	45	21st	61·6	47·7	54·3	+ 0·3	3	1·34 34	+ 24										
a West Linton	769	64	24th	40	23, 24	59·3	43·6	51·1	+ 1·7	3	1·27 32	—	*2·7*	—	*22*	0	35					*West Linton.*
p Marchmont	498	67	24th	43	22nd	60·1	46·4	52·9	+ 1·3	3	0·87 22	+ 6	3·0	- 0·8	24	0	38					Marchmont.
a Edinburgh	*441*	*62*	*20, 21, 24*	*46*	*20, 21*	*59·4*	*48·3*	*53·6*	—	*3*	*1·82 46*	—	3·5	—	28	0	38					Edinburgh.
6. *a* SCOTLAND, W.																						
a Poltalloch	132	64	20th	48	24th	58·7	50·9	54·6	- 0·6	5	0·66 17	- 12										
p Glasgow Observatory	180	65	20th	48	21st	60·3	50·6	55·2	+ 1·0	5	0·80 20	0	1·4	- 1·8	11	0	41					Glasgow.
p Rothesay	170	64	20th	48	19, 20	60·0	49·7	54·6	- 0·5	5	0·60 15	- 10	*2·3*	—	*19*	0	40	55·6		55·4	+1·9	*Rothesay.*
a Kilmarnock	90	68	25th	46	20th	64·3	50·1	56·9	+ 2·5	4	0·74 19	—	*2·8*	—	*23*							*Kilmarnock.*
a Colmonell	170	67	20th	49	20th	63·0	52·3	57·4	+ 1·7	3	0·27 7	- 17				0	43					
a Dumfries	160	67	20th	43	21st	63·3	48·9	55·8	- 0·7	4	0·72 18	0	*3·3*	—	*27*	0	36	56·6		57·2		*Dumfries.*
Eskdalemuir	*799*	*63*	*24th*	*40*	*21st*	*59·1*	*45·6*	*52·0*	—	*3*	*0·83 21*	—	*2·5*	—	*20*							*Eskdalemuir.*
p Cally, Gatehouse	120	66	20th	44	20th	63·4	47·4	55·0	+ 0·9	3	0·75 19	- 4										
b, I. OF MAN. *p* Douglas	277	63	20th	52	20th	61·0	54·0	57·3	+ 2·3	5	0·61 15	- 8	2·5	- 2·2	20	0	50					Douglas.
2. ENGLAND, N.E.																						
a Alnwick Castle	210	67	24th	43	22nd	61·3	47·4	54·0	+ 1·7	3	0·57 14	- 1	1·8	—	15	0	38	52·3	+0·2	54·1	+1·3	Cockle Park.
a Tynemouth	71	62	23, 24	49	22nd	58·9	51·3	54·9	+ 1·3	1	0·31 8	- 3										*Tynemouth.*
p Durham	336	66	24th	42	20th	60·7	47·1	53·6	+ 0·4	2	0·45 12	0	2·6	- 1·2	21	0	38					Durham.
a, North .. *p* Rounton	249	71	24th	44	22nd	63·8	48·6	55·8	+ 3·1	3	0·32 8	- 3				0	39	56·7				Rounton
a West Witton	*605*	*69*	*24th*	*42*	*20th*	*62·9*	*47·6*	*54·9*		*2*	*0·53 13*	—				0	36	55·2		53·5		*West Witton.*
p Scarborough	100	71	24th	52	19–22	63·6	53·3	58·2	+ 3·5	2	0·47 12	0	3·7	—	30					58·0†		Scarborough.
p York	56	69	24th	43	23rd	65·4	49·0	56·8	+ 2·3	2	0·54 14	+ 3	3·4	- 0·5	28			58·1	+2·4	57·3	+1·6	York.
a Spurn Head	26	65	23rd	51	19th	62·3	54·6	58·3	+ 2·4	2	0·28 7	- 2	*4·1*	—	*33*							*Spurn Head.*
b, South .. *a* Lincoln	58	71	22nd	47	22nd	66·4	52·5	59·1	+ 4·2	2	0·48 12	+ 2						59·9	+4·2	58·9	+2·9	Lincoln.
a Fulbeck	180	69	22nd	45	20th	66·3	50·6	58·1	+ 2·9	3	0·57 14	+ 3	5·7	—	46	0	38	58·9	+1·9	57·0	0·0	Rauceby.
													5·3	—	43							Skegness.
3. ENGLAND, E.																						
p Cromer	196	74	23rd	51	20th	63·1	54·3	59·9	+ 4·5	2	0·04 1	—	6·0	—	49							Cromer
p Little Massingham	280	74	23rd	43	20th	66·9	48·7	57·4	+ 2·2	3	0·42 11	- 3	5·6	+ 1·1	46	0	40					Lit. Massingham.
a, North .. *a* Yarmouth	17	66	23–25	56	19, 21, 25	63·1	57·0	59·9	+ 3·8	0	0·00 0	- 12	5·6	—	46			60·6	+2·6	60·0	+0·8	Yarmouth.
a Norwich	93	73	23rd	44	20th	66·6	50·6	58·2	+ 2·1	1	0·06 2	—	*6·1*	—	*50*	0	40	58·0				*Norwich.*
a Geldeston	37	72	24th	45	20th	66·1	52·7	59·1	+ 3·2	1	0·03 1	- 12	5·6	+ 0·6	46							Geldeston.
p Cambridge	41	71	23rd	42	22nd	65·6	49·6	56·9	+ 1·0	3	0·45 11	0	5·0	+ 0·2	41	0	34	59·7	+2·5	59·6	+1·5	Cambridge.
b, South .. *p* Clacton-on-Sea	54	67	24th	57	20–22, 25	63·7	57·7	60·6	+ 4·1	1	0·09 2	—	5·9	—	48	0	53	60·1	+2·2	59·7	+1·1	Clacton.
a Rothamsted	424	69	22nd	44	20th	64·7	51·0	57·5	+ 2·9	3	0·68 17	+ 4	5·3	+ 0·6	43	0	32	58·4				Rothamsted.
p Tottenham	51	71	22, 23	46	20, 21	67·7	52·1	59·5	+ 3·1	2	0·25 6	—	5·3	—	43	0	43			60·9	-1·2	Tottenham.
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	67	24th	40	20th	62·6	46·9	54·4	+ 1·4	2	0·63 16	+ 1	3·5	—	28	0	36	55·1	+0·8	55·4	+1·8	Harrogate.
p Buxton	*987*	*64*	*22nd*	*43*	*20, 22*	*61·7*	*46·9*	*53·9*	*+ 2·6*	*1*	*0·22 6*	*- 16*	*4·4*	—	*36*	0	37	55·8	+2·6	55·6	+1·8	*Buxton.*
													4·4	—	36	0	38	56·8	+2·2	55·7	-1·0	Sheffield.
a Bawtry	65	71	24th	45	20th	66·3	51·9	58·8	+ 4·4	2	0·47 12	+ 2	4·6	+ 0·8	37	0	33	56·8		56·4		Worksop.
a Nottingham	82	70	22nd	45	20, 22	66·6	48·6	57·2	+ 2·4	2	0·55 14	+ 2	5·3	—	43	0	43	58·2	+3·3	58·1	+1·7	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	68	21st	40	20th	64·6	49·4	56·6	+ 2·1	3	0·23 6	- 6	3·9	—	32	0	39	56·3	+3·2	54·2	+1·1	Birmingham.
a Raunds	203	74	22nd	41	20th	68·9	48·0	58·0	+ 3·2	3	0·89 23	—	*5·8*	—	*47*	0	36	60·6		58·1		*Raunds.*
p Oxford	208	70	22nd	42	20th	66·9	49·4	57·7	+ 2·4	3	1·81 46	+ 35	5·6	+ 0·9	46	0	37					Oxford.
a Cheadle	646	66	25th	44	20th	63·1	48·0	55·2	+ 2·0	3	0·21 5	- 11				0	42					Cheadle.
p Shrewsbury	191	68	23rd	40	20th	66·1	47·1	56·1	+ 1·0	1	0·40 10	—				0	35					Shrewsbury.
c, West .. *a* Hereford§	291	68	21, 25	36	20th	66·0	46·6	56·8	+ 0·9	1	0·24 6	- 5	*5·0*	—	*41*	0	31	59·7		59·8		*Malvern.*§
a Cirencester	446																					Cirencester.
a Bath	66	71	21, 22	45	20, 21	68·6	49·4	58·5	+ 2·2	2	0·79 20	+ 6	5·2	—	42			61·0	+2·3	60·3	+0·6	Bath.
													6·0	—	49	0	44	60·5	+2·2	59·7	+0·6	Worthing.
5. ENGLAND, S.E.																						
a Marlborough	424	70	22nd	42	21st	67·3	49·3	57·9	+ 4·4	2	0·69 18	+ 5	4·9	+ 0·8	40	0	35	59·1		57·0		Marlborough.
a Margate	53	71	23rd	54	21, 22	65·1	56·0	60·3	+ 2·8	1	0·06 1	- 11	5·8	+ 1·0	47	0	51	62·0	+4·7	61·1	+3·4	Margate.
a Wisley, Surrey	150	73	22nd	44	20, 21	68·7	50·1	59·0	+ 2·7	2	0·68 17	—	6·1	—	50	1	30	59·4	+2·3	58·3	+0·1	Wisley.
p Salisbury (Wilton)	180	73	22nd	40	20th	69·3	49·7	59·0	+ 3·6	4	0·81 21	+ 8				0	39	61·1				Salisbury.
a Tunbridge Wells	354	69	22nd	47	21st	66·4	52·4	59·1	+ 3·5	2	0·30 8	- 6	5·6	+ 0·5	46	0	41	60·5	+3·0	59·6		Tunbridge Wells.
a Dungeness	21	68	23rd	49	20th	64·7	54·3	59·3	+ 1·6	1	0·20 5	- 8										Littlestone.
p Hastings	178	67	23rd	52	19, 21	64·4	55·0	59·5	+ 2·1	2	0·41 10	- 7	5·9	+ 0·5	48	0	47	61·0		59·7		Hastings.
p Southampton	64	71	21st	50	21st	67·6	54·3	60·6	+ 3·3	3	2·22 56	+ 42	5·5	+ 0·4	45	0	40					Southampton.
a Ventnor	59	69	22nd	55	25th	65·3	58·0	61·5	+ 2·7	4	2·03 52	+ 36	5·2	- 0·3	42							Ventnor.
LONDON. *p* Kew	18	72	22nd	50	20, 21	67·6	53·8	60·4	+ 4·7	2	0·80 20	+ 8	5·0	+ 0·5	41	0	38	59·5	+2·8	58·3	+1·2	Kew.
a Westminster	*27*	*73*	*22nd*	*51*	*20th*	*68·3*	*55·1*	*61·4*	*+ 4·9*	*2*	*0·28*	*- 5*	*5·1*	*+ 1·4*	*41*	0	45					*Westminster.*
a Greenwich	*155*	*73*	*22, 23*	*44*	*20th*	*68·9*	*51·9*	*60·0*	*+ 3·1*	*2*	*0·35*	*- 5*	*5·9*	*+ 0·9*	*48*	0	31					*Greenwich.*
a Hampstead	*450*	*70*	*22, 23*	*46*	*20th*	*65·4*	*51·5*	*58·1*	—	*2*	*0·45*	—	*5·6*	—	*46*	0	36					*Hampstead.*
a Camden Square	*110*	*74*	*22nd*	*46*	*20th*	*70·3*	*52·9*	*61·2*	—	*2*	*0·24*	—	*4·7*	—	*38*	0	43					*Camden Square.*
7. *a*, ENGLAND, N.W.																						
p Aspatria	250	69	20th	46	20th	65·4	51·7	58·2	+ 3·3	3	0·52 13	- 9	5·1	—	41							Hoylake.
p Newton Rigg	559	67	22, 24	42	20th	63·6	47·3	55·1	+ 1·5	2	0·77 20	+ 2	4·1	—	33	0	44	56·7		55·0		Aspatria.
p Stonyhurst	375	66	24th	44	24th	63·6	48·9	55·9	+ 0·8	3	0·59 15	- 10	4·6	+ 0·6	37	0	34	56·3	+1·3	55·1	+0·7	Newton Rigg.
p Blackpool	66	67	21, 22, 24	46	20th	65·6	50·4	57·6	+ 0·9	3	0·34 9	- 10	3·1	- 1·0	25	0	41					Stonyhurst.
a Southport	*37*	*68*	*24th*	*45*	*22nd*	*65·6*	*50·0*	*57·4*	*+ 0·8*	*3*	*0·74*	*+ 1*	4·0	- 0·1	33	0	40	58·7				Blackpool.
a Liverpool (Bidston)	188	67	23rd	48	21st	64·4	51·4	57·6	+ 1·1	2	0·24 6	- 10	*4·8*	*+ 0·6*	*39*	0	39	58·3	+1·8	57·3		*Southport.*
a Hawarden Bridge	*22*	*69*	*23rd*	*45*	*20th*	*66·9*	*50·7*	*58·4*	*+ 0·7*	*2*	*0·23 6*	*- 5*	*5·2*	—	*42*					58·9	+1·2	*Liverpool.*
p Manchester (Whit. Pk.)	125	68	21, 23, 24	48	20th	66·6	51·9	58·9	+ 2·2	3	0·26 7	- 9	*4·3*	—	*35*	0	40	59·3	+3·8	59·6	+1·9	*Manchester (City)*
													4·2	*+ 0·8*	*34*							" *(Whit. Park)*
b, NORTH WALES.																						
p Llandudno	71	70	19th	51	20th	67·4	53·1	59·9	+ 3·8	1	0·05 1	- 13	5·6	+ 1·4	46							Llandudno.
a Holyhead	15	73	19, 20	52	20th	67·1	55·4	61·0	+ 5·4	4	0·31 8	- 9	*5·2*	—	*42*							*Holyhead.*
p Bettws-y-Coed	*148*	*70*	*20th*	*45*	*20th*	*66·6*	*49·4*	*57·6*	*+ 2·6*	*3*	*0·14*	*4*	*5·1*	—	*41*			56·4	+3·3	54·0	+0·2	*Bettws-y-Coed.*
													5·4	—	44							Aberdovey.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
																	Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average.	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														6·1	—	50	•	•	•	•	•	•	
a Llangammarch Wells	550	67	2, 3	43	21st	65·3	48·9	56·7	+ 3·8	3	0·27	7	—	4·1	—	33	0	38	57·0	+2·4	54·2	-0·6	Llangammarch.
a Pembroke	149	64	20th	53	19th	61·3	55·9	59·0	+ 3·0	5	0·47	12	- 6	4·3	- 0·5	35	•	•	•	•	•	•	Pembroke.
p Cardiff	202	68	21st	48	20, 21	65·6	51·7	58·3	+ 3·1	5	0·15	4	- 17	*4·4*	—	*36*	0	44	59·9	+4·2	58·2	+1·0	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	71	21st	47	20th	68·0	52·4	59·8	+ 3·4	3	0·54	14	- 2	*4·7*	—	*38*	0	46	•	•	•	•	*Clifton.*
a Shaftesbury	722	71	22nd	46	20th	66·0	51·6	58·5	+ 3·5	3	0·69	17	+ 1	•	•	•	•	•	59·6	•	59·7	•	Shaftesbury.
a Arlington	613	67	20, 22	49	22nd	61·4	52·9	58·4	+ 4·1	4	0·28	7	- 21	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*68*	*20th*	*44*	*25th*	*65·9*	*54·1*	*59·7*	+ *2·7*	*2*	*0·52*	*13*	- *5*	5·8	+ 0·8	47	0	42	61·0	•	59·0	•	Newquay.
a Cullompton	202	75	22nd	46	20th	67·9	49·9	58·5	+ 3·6	5	0·23	6	- 9	4·2	- 0·3	34	0	40	59·6	•	•	•	Cullompton.
a Portland Bill	19	66	22nd	56	23, 25	63·4	58·1	60·6	+ 2·8	4	0·96	24	—	*5·7*	—	*46*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	67	20th	50	25th	63·9	55·9	59·7	+ 2·9	4	0·08	2	- 14	3·7	- 1·3	30	•	•	60·6	+2·4	59·0	•	Plymouth.
a Falmouth	167	66	23, 25	47	25th	63·4	55·4	59·2	+ 2·5	5	0·17	4	- 16	3·3	- 1·8	27	0	37	62·6	•	61·3	•	Falmouth.
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	66	24th	52	21st	62·3	53·9	57·9	+ 3·9	3	0·24	6	- 12	*3·6*	—	*29*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	68	19th	52	24, 25	63·4	54·4	58·7	+ 4·6	5	1·69	43	+ 18	•	•	•	•	•	•	•	•	•	
p Markree Castle ..	122	69	19th	48	25th	65·0	53·0	58·7	+ 5·9	5	1·26	32	+ 10	3·3	- 0·3	27	0	40	58·8	•	56·2	•	Markree Castle.
a Birr Castle	175	68	19, 20	49	25th	65·4	55·0	60·0	+ 6·5	4	0·55	14	0	*2·5*	*- 1·7*	*20*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	67	19th	50	20th	63·7	52·9	58·0	+ 4·9	4	0·95	24	+ 9	3·0	- 0·8	24	0	39	58·4	+2·2	56·9	0·9	Armagh.
a Donaghadee	101	64	23rd	54	20-22, 24	61·0	54·4	57·5	+ 3·2	5	0·32	8	- 8	•	•	•	•	•	•	•	•	•	
														•	•	•	0	42	59·8	+3·4	57·4	+1·0	Trinity Coll.
														4·5	—	37	0	41	•	•	•	•	Phœnix Park.
10. IRELAND, S.														•	•	•	0	48	•	•	•	•	Dublin City.
a, East .. *p* Dublin, City	47	67	19th	53	25th	64·9	55·6	60·0	+ 4·7	5	0·40	10	- 3	•	•	•	•	•	•	•	•	•	
a Kilkenny	212	67	19, 23	45	25th	64·6	54·3	59·2	+ 5·0	4	0·80	20	+ 6	•	•	•	•	•	•	•	•	•	
a Waterford	20	67	20th	44	25th	65·6	54·9	60·0	+ 5·4	5	1·11	28	+ 11	•	•	•	•	•	•	•	•	•	
a Seskin, Carrick-on-Suir	*541*	*64*	*23rd*	*47*	*25th*	*62·0*	*53·3*	*57·4*	—	*6*	*1·31*	*33*	—	*2·4*	—	*20*	0	?	•	•	•	•	*Seskin.*
b, West .. *a* Birr Castle	175	68	19, 20	49	25th	65·4	55·0	60·0	+ 6·5	4	0·55	14	0	2·5	- 1·7	20	•	•	•	•	•	•	Birr Castle.
a Foynes	50	68	19th	49	25th	64·9	56·4	60·5	+ 5·8	5	0·70	18	0	•	•	•	•	•	•	•	•	•	
a Cahir	199	67	19, 23	42	25th	64·6	54·6	59·4	+ 4·8	5	0·76	19	—	•	•	•	•	•	•	•	•	•	
a Killarney	174	71	21st	45	25th	68·2	56·3	62·0	+ 7·4	6	1·31	33	+ 10	•	•	•	•	•	•	•	•	•	
a Valencia	30	76	19th	47	25th	65·7	57·7	61·5	+ 5·7	6	2·96	75	+ 50	5·1	+ 0·8	41	•	•	•	•	•	•	Valencia.
a Roche's Point ..	32	66	21st	51	25th	64·4	58·1	61·1	+ 5·2	6	1·04	26	+ 7	3·4	—	28	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	21st	54	25th	64·7	57·3	60·8	+ 2·6	2	0·09	2	- 14	3·8	- 1·7	31	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	73	21st	52	25th	69·1	57·0	62·8	+ 3·0	2	1·10	28	+ 11	6·5	+ 0·6	53	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	73	21st	51	25th	68·7	56·4	62·3	+ 3·1	2	1·32	34	+ 15	6·1	+ 0·5	50	0	43	63·0	+2·8	61·9	+1·0	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, September 25th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.			
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.	
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s. d. h. m.
1. SCOTLAND, E.														
Dyce	75	‡15**	—	—	—	—	6	109	29	24	S. by E.	6	21st 11h.	15 21st 10 . 30
Aberdeen*	105	‡37 ‖ ‡52 ‖	—	—	—	—	53	93	20	0	NE. by N.	10	25th 12h.	15 25th 11 . 34
Edinburgh	39	31	—	—	—	—	—	—	—	—	—	—	—	— — —
6. SCOTLAND, W.														
Eskdalemuir ..	50	22	—	—	—	—	21	101	46	0	N. by W.	8	25th 9h.	12 25th 9 . 23
Paisley (Coats Obs.)	81	52	—	—	—	—	—	109	59	0	S.W. by S.	5	23rd 14h.	12 23rd 14 . 58
2. ENGLAND, N.E.														
Alnwick Castle ..	70	17	—	—	—	—	17	77	74	0	S. by E.	8	21st 15h	14 21st 13 . 6
South Shields ..	61	12	—	—	—	—	55	85	27	1	SE. by S.	11	20th 17h.	14 26th 11 . 15
Spurn Head	40	‡	—	—	—	—	62	26	0	80	?	10	20th 17h.	15 ? ?
3. ENGLAND, E.														
Gorleston	42	‡	—	—	20, 21, 24	8	117	36	0	7	—	12	24th 24h.	17 24th 23 . 58
Shoeburyness ..	90	‡	—	—	20, 21, 24	16	92	51	9	0	—	16	24th 22h.	22 24th 21 . 44
4. MIDLAND COUNTIES.														
Benson	84	‡	—	—	—	—	45	114	9	0	E.	8	20th 16h.	16 24th 21 . 22
5. ENGLAND, S.E.														
Dover	40	‡	—	—	24th	1	67	63	37	0	—	11	24th 21h.	18 24th 20 . 7
Warlingham ..	33	‡	—	—	No Record—instrument under repair.									
Brighton	53	6	—	—	24th	1	81	74	12	0	—	11	24th 18h.	19 24th 18 . 43
Kew†	65	‡6 ‖ ‡22 ‖	—	—	—	—	22	98	48	0	E. by S.	9	20th 14h.	14 20th 18 . 17
South Kensington ..	92	30	—	—	—	—	16	111	41	0	E. by N.	7	19th 13h.	13 20th 18 . 28
7. ENGLAND, N.W.														
Carnforth	56	23	—	—	—	—	—	22	98	48	W.	5	25th 16h.	9 23rd 13 . 4
Southport	62	48	—	—	—	—	72	95	1	0	W by S.	11	25th 15h.	17 20th 12 . 58
Holyhead*	40	‡	—	—	23rd	2	39	84	43	0	SE. by S.	11	23rd 8h	17 23rd 7 . 50
8. ENGLAND, S.W.														
Pendennis Castle§ ..	65	24	19th	3	19, 20, 23	45	47	42	31	0	E.	18	19th 15h.	22 19th 15 . 15
Plymouth	88	2	—	—	—	—	45	61	62	0	—	9	20th 11h.	17 20th 10 . 31
10. IRELAND, S.														
Quilty	40	‡	—	—	19, 20, 22, 23	42	75	47	4	0	—	16	19th 11h.	22 20th 11 . 35
Weaver Pt.	30	‡	—	—	20, 23	6	95	65	2	0	—	17	23rd 3h.	?23 23rd 3 . 15
11. ENGLISH CHANNEL.														
Scilly*	‡32 ‖ ‡19 ‖	‡	—	—	19, 20	25	34	49	57	3	ESE.	13	19th 17h.	19 19th 16 . 25

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory

** Above tops of trees.

‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTY-EIGHTH WEEK—September 19th to September 25th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Accumulated Number of Day-Degrees. Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Below 42°	Accumulated Number of Day-Degrees. Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)		Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	68	37	58·9	48·3	53·3	+ 2·1	79	+ 14	0	− 1	3	− 2	1·32	33	+ 6	2·0	−1·3	16	1015
Eastern.																			
1. SCOTLAND, EAST ...	68	38	59·9	46·7	53·0	+ 1·3	77	+ 8	0	− 1	3	0	1·70	43	+ 29	2·4	−1·4	20	1015
2. ENGLAND, N.E.	71	42	63·2	50·5	56·5	+ 2·6	102	+ 19	0	0	2	− 1	0·44	11	+ 2	3·8	−0·6	30	1017
3. ENGLAND, EAST ...	74	42	65·6	52·6	58·8	+ 3·2	118	+ 22	0	0	2	− 1	0·22	6	− 5	5·5	+0·6	45	1017
4. MIDLAND COUNTIES ...	74	36	66·0	48·5	56·8	+ 2·4	104	+ 17	0	− 1	2	− 1	0·62	16	+ 5	4·6	−0·3	38	1016
5. ENGLAND, S.E.	73	40	66·6	53·3	59·7	+ 2·9	124	+ 21	0	0	2	− 1	0·82	21	+ 9	5·6	+0·6	45	1017
Western.																			
6. SCOTLAND, WEST ...	68	43	61·8	50·5	55·9	+ 1·1	97	+ 21	0	0	4	+ 1	0·64	16	− 8	2·0	−2·1	16	1016
7. ENGLAND, N.W.	73	42	65·5	51·3	58·0	+ 3·4	112	+ 24	0	0	3	− 1	0·39	10	− 7	4·6	+0·4	37	1014
8. ENGLAND, S.W.	75	43	65·0	53·3	58·9	+ 3·0	118	+ 21	0	0	4	0	0·38	10	− 8	4·5	−0·2	37	1014
9. IRELAND, NORTH ...	69	48	63·5	53·9	58·5	+ 4·9	116	+ 34	0	0	4	0	0·84	21	+ 3	3·2	−0·6	26	1011
10. IRELAND, SOUTH ...	76	42	65·4	55·9	60·4	+ 5·5	129	+ 39	0	0	5	+ 2	1·07	27	+ 11	3·9	−0·5	32	1011
11. ENGLISH CHANNEL ...	73	51	67·5	56·9	62·0	+ 3·2	140	+ 22	0	0	2	− 2	0·84	21	+ 6	5·5	−0·6	44	1014

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 4 Weeks, August 29th to September 25th, 1915.

0. SCOTLAND, NORTH ...	76	37	59·5	47·6	53·3	*	316	+ 16	0	− 1	14	− 5	2·77	70	− 33	3·9	+0·4	29	1017
Eastern.																			
1. SCOTLAND, EAST ...	77	26	62·3	45·6	53·6	*	326	+ 1	2	0	11	− 4	2·93	74	+ 18	4·8	+0·5	36	1017
2. ENGLAND, N.E.	76	32	64·1	49·0	56·2	*	396	+ 20	0	0	9	− 4	1·36	35	− 17	5·5	+0·8	42	1019
3. ENGLAND, EAST ...	80	35	65·8	50·6	57·9	*	444	+ 19	0	0	9	− 3	0·87	22	− 25	6·1	+0·9	47	1019
4. MIDLAND COUNTIES ...	80	32	66·4	47·7	56·6	*	410	+ 18	0	− 1	7	− 5	1·01	26	− 24	5·7	+1·1	44	1019
5. ENGLAND, S.E.	78	32	66·8	50·6	58·3	*	457	+ 1	0	0	8	− 4	1·68	43	− 11	6·6	+1·2	51	1019
Western.																			
6. SCOTLAND, WEST ...	73	31	62·6	48·3	55·1	*	367	+ 22	1	+ 1	10	− 2	1·64	41	− 56	4·6	+0·2	35	1018
7. ENGLAND, N.W.	76	33	64·9	50·0	57·0	*	420	+ 31	0	0	13	− 5	1·27	32	− 40	5·9	+1·4	45	1018
8. ENGLAND, S.W.	78	31	65·4	50·4	57·6	*	436	+ 14	0	0	12	− 2	1·19	31	− 42	6·3	+1·2	48	1019
9. IRELAND, NORTH ...	73	34	63·4	50·4	56·6	*	410	+ 50	0	0	15	− 2	1·82	46	− 31	4·6	+0·7	35	1016
10. IRELAND, SOUTH ...	77	37	65·3	52·0	58·3	*	457	+ 63	0	0	15	+ 1	1·96	49	− 23	5·3	+0·7	41	1017
11. ENGLISH CHANNEL ...	77	44	67·3	54·4	60·5	*	519	+ 20	0	0	8	− 7	2·08	52	− 6	7·4	+1·0	57	1018

THE YEAR.—Aggregates, &c., for the Period of 38 Weeks, January 3rd to September 25th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·9	41·1	46·8	*	1786	+ 14	503	− 55	163	−11	30·78	781	− 91	3·7	+0·1	27	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·6	39 9	46·9	*	1928	− 77	632	+ 10	140	− 3	22·19	564	+ 29	4·3	0·0	32	1012
2. ENGLAND, N.E.	85	20	56·1	42·5	49·0	*	2273	+ 50	403	− 72	125	− 4	17·67	448	+ 17	4·8	+0·2	36	1013
3. ENGLAND, EAST ...	90	18	57·4	43·6	50·2	*	2578	+ 8	381	−140	129	+ 5	18·90	483	+ 74	5·1	+0·1	39	1013
4. MIDLAND COUNTIES ...	87	19	58·1	41·9	49·6	*	2480	− 41	451	− 83	116	− 7	19·87	506	+ 46	4·7	+0·2	36	1014
5. ENGLAND, S.E.	88	15	58·1	44·3	50·9	*	2694	− 58	318	− 63	107	−11	20·79	532	+ 87	5·1	0·0	39	1014
Western.																			
6. SCOTLAND, WEST ...	78	18	55·5	42·1	48·5	*	2161	+ 7	435	+ 10	139	−11	25·15	640	−163	4·7	+0·3	35	1013
7. ENGLAND, N.W.	77	21	56·1	43·5	49·5	*	2337	− 14	344	− 42	123	−15	22·59	575	− 13	5·0	+0·5	38	1013
8. ENGLAND, S.W.	79	17	57·1	44·6	50·5	*	2546	− 55	298	− 3	130	− 5	25·59	651	+ 23	5·0	0·0	38	1014
9. IRELAND, NORTH ...	75	20	55·3	43·2	49·0	*	2217	− 34	352	+ 7	159	− 5	23·23	592	− 70	4·2	+0·2	31	1012
10. IRELAND, SOUTH ...	78	21	57·3	44·7	50·8	*	2600	+ 26	284	+ 25	157	+12	26·38	674	− 15	4·6	+0·1	35	1014
11. ENGLISH CHANNEL ...	81	27	57 8	47·6	52·5	*	2901	− 53	120	+ 11	121	−22	20·93	527	+ 14	5·7	−0·3	44	1015

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., September 30th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 153

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 39. THIRTY-NINTH WEEK, SUNDAY, SEPTEMBER 26TH, TO SATURDAY, OCTOBER 2ND, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The greater part of the week was very cold for the time of year, the temperature being more than 6° below the average in England South-East, and between 5° and 6° below in nearly all other parts of Great Britain. The highest maxima, 67° or 68° in eastern, central, and southern England, were registered on Sept. 26th; later in the week the maxima were much lower—below 50° at many northern stations. Frost occurred in every British district, the lowest reading being 24° at Kilmarnock on Sept. 29th. In Ireland the lowest value was 32° at Markree Castle. The lowest grass minima were 18° at Gordon Castle, 19° at Newton Rigg, 20° at Colmonell and Hampstead. The distribution of rainfall was extremely irregular. In the north-east of Scotland the heavy rain that began at the end of the preceding week continued on Sept. 26th, Nairn and Gordon Castle measuring 43 mm., and 38 mm. respectively. In the west of Scotland, at Crieff, and at several stations in the north and north-east of England, the week was rainless, but in England South-East a heavy downpour on Sept. 28th yielded a total far in excess of the weekly average. At Margate the fall measured 60 mm., Broadstairs 51 mm., Southend-on-Sea 44 mm., and the Metropolitan area at least 40 mm. Bright sunshine exceeded the average in Scotland and the northern districts of England and Ireland, while it was below it in England South-East and South-West, and also in the English Channel district and England East. The mean daily duration ranged from little more than 2·5 hours in the south-west to about 5·5 hours in the north-east of England and the west of Scotland. Aurora was observed at Aberdeen and Carrick-on-Suir on Sept. 28th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Very deficient
	Rainfall ...	Light	Heavy	Moderate	Heavy	Moderate	Heavy	Very light	Light	Moderate	Moderate	Moderate	Heavy
	Sunshine ...	Abundant	Very abundant	Abundant	Moderate	Moderate	Scanty	Abundant	Abundant	Scanty	Moderate	Moderate	Very scanty

THE SEASON.

AUTUMN. 5 weeks from Aug. 29th, 1915.	Warmth ...	3, 0, 2	2, 1, 2	3, 0, 2	2, 1, 2	2, 1, 2	2, 0, 3	3, 0, 2	3, 0, 2	2, 1, 2	3, 0, 2	3, 0, 2	2, 1, 2
	Rainfall ...	1, 1, 3	2, 2, 1	1, 2, 2	1, 2, 2	0, 2, 3	2, 1, 2	0, 2, 3	0, 2, 3	0, 2, 3	0, 3, 2	1, 2, 2	2, 1, 2
	Sunshine ...	3, 0, 2	2, 2, 1	2, 3, 0	1, 3, 1	1, 4, 0	1, 3, 1	3, 0, 2	3, 2, 0	2, 2, 1	2, 3, 0	2, 2, 1	1, 3, 1

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	10, 2, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, October 2nd. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	52	50	50·6	−0·7	IRELAND, S.W. Cleggan	59	55	57·0	+1·8
Wick	—	—	—	—	ENGLAND, N.E. Burnmouth, Berwick	50	46	47·1	−5·1
SCOTLAND, W. Ballantrae	56	51	53·4	−0·2	ENGLAND, E. Shipwash Lightship	62	59	59·9	+0·2
ENGLAND, S.W. Scilly	—	—	—	—	ENGLAND, S.E. Eastbourne‡	61	55	57·7	−2·1
Plymouth‡	61	58	59·2	+1·1	ENGLAND, N.W. Port Erin	57	55	55·9	+0·2
IRELAND, N.W. Sheephaven	59	48	52·5	−3·9					

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		-	°	-	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
p Baltasound	*31*													r	*	*	*	*	*	*	*	*Baltasound.*
a Islands .. *a* Lerwick	54	49	26, 2	40	30th	48·0	42·3	45·0	- 4·0	7	0·49	12	—	5·1	+ 1·7	43	*	*	*	*	*	*	Deerness.
a Stornoway	51	53	2nd	37	1, 2	50·7	39·9	45·0	- 4·6	5	0·59	15	- 13	5·3	+ 1·8	45	*	*	*	*	*	*	Stornoway.
a Castlebay, Barra Isd.	*37*	*53*	*27, 2*	*39*	*29th*	*51·9*	*43·1*	*47·3*	*- 3·9*	*4*	*0·33*	*9*	—	*5·5*	—	*46*	*	*	*	*	*	*	*Castlebay.*
a Wick	81	53	27th	31	2nd	49·4	40·1	44·5	- 5·7	6	1·10	28	+ 12	*	*	*	*	*	*	*	*	*	
p Strathpeffer	200	53	28th	29	2nd	51·1	38·4	44·5	- 5·4	5	1·21	31	+ 16	3·8	+ 0·2	32	*	*	*	*	*	*	Strathpeffer.
b, Mainland. *p* Glencarron	500	53	2nd	31	1st	49·1	36·1	42·3	- 6·5	5	0·70	18	- 34	*	*	*	*	*	*	*	*	*	
p Fort Augustus	68	56	2nd	29	2nd	50·9	36·3	43·3	- 7·4	5	0·32	8	- 16	3·5	+ 1·0	29	*	*	*	*	*	*	Fort Augustus.
p Fort William	171	53	27th	30	28th	51·3	35·7	43·1	- 8·4	3	0·06	2	- 42	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																						
p Gordon Castle	101	58	2nd	31	2nd	52·1	39·7	45·6	- 5·8	5	2·09	53	+ 36	3·3	—	28	1	18	51·5	-1·8	54·2	+0·5	Crathes.
a Nairn	82	51	27, 1	28	2nd	49·6	39·4	44·3	- 6·1	5	2·05	52	+ 39	*4·1*	—	*34*	*	*	*	*	*	*	*Gordon Castle.*
a Aberdeen	46	56	28th	31	2nd	51·0	40·9	45·7	- 5·5	6	1·20	30	+ 15	4·4	—	37	*	*	*	*	*	*	Nairn.
a Balmoral	930	60	30th	26	2nd	58·6	36·0	46·8	- 0·8	5	1·32	34	+ 16	5·5	+ 1·7	46	*	*	*	*	52·9	+1·0	Aberdeen.
p Crieff	432	56	26, 27, 2	30	2nd	54·1	36·3	44·8	- 6·7	0	0·00	0	- 20	5·9	—	50	*	*	*	*	*	*	Balmoral.
														*	*	*	*	*	*	*	*	*	Balruddery.
a Leith	18	56	26, 2	32	2nd	53·3	39·7	46·2	- 6·4	1	0·05	1	- 9	*	*	*	*	*	*	*	*	*	
a West Linton	789	54	26th	27	28, 29	50·3	33·4	41·4	- 6·4	4	0·26	7	—	*5·7*	—	*48*	5	22	*	*	*	*	*West Linton.*
p Marchmont	498	55	26, 2	31	2nd	52·1	37·0	44·2	- 6·4	4	0·49	12	- 5	5·7	+ 2·2	48	3	26	*	*	*	*	Marchmont.
a Edinburgh	*441*	*54*	*26, 2*	*35*	*29th*	*50·9*	*39·0*	*44·7*	—	*1*	*0·12*	*3*	—	5·8	—	49	0	31	*	*	*	*	Edinburgh.
6. *a* SCOTLAND, W.																						
a Poltalloch	132	56	26, 27	29	28, 1	52·6	36·6	44·2	- 7·6	0	0·00	0	- 29	*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	180	57	26th	34	1st	52·0	36·4	45·4	- 5·9	0	0·00	0	- 20	4·7	+ 1·7	39	4	21	*	*	*	*	Glasgow.
p Rothesay	170	59	26th	36	1st	53·6	39·9	46·4	- 5·6	0	0·00	0	- 25	*5·9*	—	*50*	4	24	50·7	*	54·4	+1·3	*Rothesay.*
a Kilmarnock	90	60	26th	24	29th	55·1	33·3	43·7	- 7·8	0	0·00	0	—	*5·6*	—	*47*	*	*	*	*	*	*	*Kilmarnock.*
														*	*	*	*	*	*	*	*	*	
a Colmonell	170	62	26th	26	1st	56·6	37·1	46·4	- 5·8	1	0·06	2	- 23	*	*	*	3	20	*	*	*	*	
a Dumfries	160	58	26th	32	28th	53·9	38·0	45·6	- 6·3	0	0·00	0	- 19	*5·2*	—	*44*	5	24	51·8	*	56·2	*	*Dumfries.*
Eskdalemuir	*799*	*56*	*27th*	*27*	*28th*	*51·6*	*34·4*	*42·6*	—	*0*	*0·00*	*0*	—	*5·9*	—	*50*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse	120	61	26th	26	1st	57·1	35·6	45·8	- 5·3	0	0·00	0	- 24	*	*	*	*	*	*	*	*	*	
b, I. OF MAN. *p* Douglas	277	59	27th	37	1st	54·0	42·9	48·2	- 4·1	4	0·21	5	- 19	6·2	+ 1·9	52	0	31	*	*	*	*	Douglas.
2. ENGLAND, N.E.																						
a Alnwick Castle	210	58	27th	27	2nd	52·7	38·6	45·3	- 5·8	5	0·89	23	+ 7	5·0	—	42	1	26	46·6	-5·5	53·0	+0·7	Cockle Park.
a Tynemouth	71	60	26th	36	28, 29, 2	52·1	40·3	45·9	- 6·3	3	0·79	20	+ 8	*	*	*	*	*	*	*	*	*	*Tynemouth.*
p Durham	336	57	26th	30	2nd	54·6	37·9	45·9	- 5·8	3	0·20	5	- 8	5·7	+ 2·1	48	1	26	*	*	*	*	Durham.
a, North .. *p* Rounton	249	64	26th	32	28th	53·4	37·1	44·9	- 6·4	3	0·10	3	- 9	*	*	*	3	27	52·1	*	*	*	Rounton.
a West Witton	*605*	*61*	*26th*	*34*	*28th*	*54·4*	*39·7*	*46·7*	—	*0*	*0·00*	*0·1*		*	—	*	4	27	51·2	*	53·1	*	*West Witton.*
p Scarborough	100	64	26th	39	28, 2	55·6	43·1	49·1	- 4·2	5	0·92	23	+ 10	5·1	—	43	*	*	*	*	58·0†	*	Scarborough.
p York	56	63	26th	35	28th	54·4	39·3	46·5	- 6·4	2	0·07	2	- 10	5·9	+ 2·3	50	*	*	54·9	-0·4	56·8	+1·2	York.
b, South .. *a* Spurn Head	26	64	26th	42	30, 1, 2	54·3	45·0	49·4	- 5·0	4	0·47	12	+ 2	*4·9*	—	*41*	*	*	*	*	*	*	*Spurn Head.*
a Lincoln	58	60	26th	35	28, 1	55·0	40·1	47·2	- 6·0	0	0·00	0	- 11	*	*	*	*	*	53·0	-2·3	58·5	+3·0	Lincoln.
a Fulbeck	180	65	26th	30	1st	55·6	38·1	46·4	- 6·9	2	0·03	1	- 11	5·5	—	46	0	32	54·6	-1·4	56·8	+0·5	Rauceby.
														5·2	—	44	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																						
p Cromer	196	66	26th	41	2nd	56·3	41·6	50·2	- 3·8	5	0·76	19	—	4·1	—	34	*	*	*	*	*	*	Cromer.
p Little Massingham	280	64	26, 27	34	28th	56·3	39·4	47·4	- 6·2	5	0·19	5	- 11	4·1	- 0·1	34	2	30	*	*	*	*	Lit. Massingham.
a, North .. *a* Yarmouth	17	66	26th	39	28th	56·9	43·6	49·9	- 4·6	5	1·06	27	+ 12	5·3	—	45	*	*	57·0	-0·3	59·4	+1·3	Yarmouth.
a Norwich	93	66	26th	32	2nd	55·7	41·1	48·1	- 6·8	5	1·21	31	—	*4·6*	—	*39*	1	29	54·0	*	*	*	*Norwich.*
a Geldeston	37	68	26th	30	2nd	58·4	40·4	49·0	- 5·0	5	0·91	23	+ 8	4·6	- 0·1	39	*	*	*	*	*	*	Geldeston.
p Cambridge	41	61	26th	33	28, 2	55·4	37·7	46·1	- 7·8	1	0·59	15	+ 3	4·0	- 0·5	34	3	27	55·2	-1·7	58·8	+1·2	Cambridge.
b, South .. *a* Clacton-on-Sea	54	64	26th	38	28, 30, 1, 2	56·0	42·4	48·9	- 6·0	2	1·18	30	—	3·9	—	33	0	32	55·4	-2·0	59·1	+1·0	Clacton.
a Rothamsted	424	61	26th	34	1st	53·1	39·0	45·7	- 7·1	3	1·29	33	+ 18	4·0	- 0·4	34	1	30	53·7	*	*	*	Rothamsted.
p Tottenham	51	65	26th	37	1st	58·0	42·1	49·7	- 5·2	3	1·38	35	—	3·1	—	26	0	33	*	*	60·4	+1·3	Tottenham.
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	61	26th	33	28, 2	52·7	38·9	45·5	- 6·1	1	0·04	1	- 14	5·9	—	50	4	28	52·2	-1·5	54·6	+1·4	Harrogate.
p Buxton	*987*	*57*	*26th*	*32*	*28, 1*	*49·9*	*37·9*	*43·6*	*- 6·1*	*4*	*0·34*	*9*	*- 14*	*3·1*	—	*28*	2	28	50·2	-2·9	55·3	+1·9	*Buxton.*
														3·6	—	30	2	30	52·9	-1·5	55·3	+0·7	Sheffield.
a Bawtry	65	66	26th	32	28th	56·6	38·0	46·9	- 5·9	1	0·01	0	- 10	4·1	+ 0·6	34	5	25	52·3	*	55·3	*	Worksop.
a Nottingham	82	64	26th	31	1st	54·6	38·4	46·0	- 7·1	1	0·08	2	- 10	3·1	—	26	3	26	50·2	-4·4	57·1	+1·4	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	62	26th	37	29, 1	53·4	41·1	47·0	- 5·8	4	0·67	17	+ 4	3·2	—	27	4	25	50·9	-2·2	53·9	+1·1	Birmingham.
a Raunds	203	67	26th	30	1st	57·0	37·1	46·6	- 6·5	2	0·21	5	—	3·7	—	*31*	4	25	57·9	*	58·0	*	*Raunds.*
p Oxford	208	63	26th	32	1st	54·6	40·4	47·2	- 6·6	4	1·12	28	+ 16	3·8	- 0·5	32	2	25	*	*	*	*	Oxford.
a Cheadle	646	61	26th	34	1st	54·0	39·4	46·4	- 5·2	1	0·34	9	- 7	*	*	*	1	29	*	*	*	*	Cheadle.
p Shrewsbury	191	65	26th	34	1st	54·9	40·0	47·1	- 6·7	4	0·32	8	—	*	*	*	1	30	*	*	*	*	Shrewsbury.
c, West .. *a* Hereford§	291	65	26th	35	28th	55·6	39·7	47·3	- 6·1	4	0·56	14	+ 2	*4·8*	—	*40*	2	30	54·3	*	58·9	*	*Malvern.*§
a Cirencester	446													*	*	*	*	*	*	*	*	*	Cirencester.
a Bath	66	65	26th	35	1st	56·9	39·7	47·9	- 7·0	5	1·08	28	+ 13	3·3	—	28	*	*	56·7	-1·3	59·5	+0·5	Bath.
5. ENGLAND, S.E.																						
a Marlborough	424	65	26th	27	1st	55·0	36·6	45·4	- 6·6	3	1·39	35	+ 22	3·0	—	25	0	33	56·2	-1·6	59·2	+1·0	Worthing.
a Margate	53	64	26th	43	2nd	56·9	46·7	51·6	- 4·4	2	2·39	61	+ 48	2·7	- 1·1	23	3	22	54·3	*	56·8	*	Marlborough.
a Wisley, Surrey	150	67	26th	33	1st	56·4	40·0	47·8	- 6·8	4	1·46	37	—	3·4	- 1·1	29	0	36	56·3	-0·2	60·3	+3·1	Margate.
p Salisbury (Wilton)	180	65	26th	31	1st	57·6	39·4	47·8	- 6·0	3	1·55	39	+ 24	3·6	—	30	4	23	55·2	-1·3	57·7	+0·1	Wisley.
a Tunbridge Wells	354	65	26th	32	1st	56·0	38·9	47·0	- 7·0	3	1·45	37	+ 21	*	*	*	1	29	56·3	*	*	*	Salisbury.
														2·3	- 2·4	19	4	24	54·9	-2·1	58·9	*	Tunbridge Wells.
a Dungeness	21	63	26th	34	30th	57·0	40·3	48·3	- 7·9	1	0·63	16	+ 2	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings	178	64	26th	34	1st	57·3	42·4	49·5	- 6·6	3	0·94	24	+ 6	4·1	- 0·9	34	0	31	56·2	*	59·2	*	Hastings.
p Southampton	64	65	26th	33	1st	57·1	42·0	49·2	- 6·5	4	1·20	30	+ 15	3·4	- 1·3	*29*	2	26	*	*	*	*	Southampton.
a Ventnor	59	64	26th	38	30th	57·1	45·9	51·2	- 6·2	3	0·83	21	+ 5	3·6	- 1·5	30	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	66	26th	36	30, 1	55·9	41·7	48·5	- 5·8	3	1·43	36	+ 23	3·1	- 1·0	26	2	28	54·3	-2·0	57·7	+0·1	Kew.
a Westminster	*27*	*66*	*26th*	*34*	*1st*	*56·9*	*41·6*	*48·9*	*- 5·7*	*3*	*1·76*	*45*	*+ 33*	*2·8*	*- 0·5*	*24*	?	?	*	*	*	*	*Westminster.*
a Greenwich	*155*	*68*	*26th*	*34*	*1st*	*57·4*	*40·6*	*48·6*	*- 6·7*	*3*	*1·74*	*44*	*+ 32*	*3·2*	*- 1·3*	*27*	3	26	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*63*	*26th*	*33*	*30, 1*	*55·1*	*38·9*	*46·6*	—	*3*	*1·64*	*42*	—	*3·6*	—	*30*	4	20	*	*	*	*	*Hampstead.*
a Camden Square	*110*	*68*	*26th*	*35*	*1st*	*58·6*	*42·0*	*49·9*	—	*3*	*1·59*	*40*	—	*3·0*	—	*25*	1	30	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																						
p Aspatria	250	59	26th	28	1st	53·9	35·0	44·0	- 7·6	0	0·00	0	- 23	4·1	—	34	*	*	*	*	*	*	Hoylake.
p Newton Rigg	559	56	1st	27	28th	53·6	34·6	43·6	- 6·6	2	0·06	2	- 17	5·3	—	45	4	23	52·2	*	54·7	*	Aspatria.
p Stonyhurst	375	58	26th	32	1st	52·6	39·7	45·8	- 6·0	1	0·01	0·2	- 25	4·6	+ 0·3	39	6	19	52·9	-1·6	54·4	+0·4	Newton Rigg.
p Blackpool	66	60	26th	32	1st	54·6	41·3	47·6	- 6·2	3	0·05	1	- 18	5·4	+ 1·6	45	3	28	*	*	*	*	Stonyhurst.
a Southport	*37*	*59*	*26th*	*34*	*1st*	*53·4*	*41·3*	*47·1*	*- 6·4*	*1*	*0·01*	*0*	*- 18*	5·9	+ 2·0	50	3	22	55·2	*	56·9	*	Blackpool.
a Liverpool (Bidston)	188	59	26th	39	29th	52·9	44·1	48·3	- 5·2	4	0·20	5	- 12	*5·5*	*+ 1·6*	*46*	3	24	53·0	-2·9	57·4	+0·3	*Southport.*
a Hawarden Bridge	*22*	*63*	*26th*	*33*	*1st*	*54·9*	*43·9*	*49·1*	*- 5·2*	*5*	*0·37*	*9*	*- 4*	*3·9*	—	*33*	*	*	*	*	*	*	*Liverpool.*
p Manchester (Whit. Pk.)	125	60	26th	30	1st	53·1	40·9	46·7	- 6·3	4	0·09	2	- 15	*2·3*	—	*19*	3	25	54·3	-1·0	59·2	+2·6	*Manchester (City)*
														2·2	*- 0·9*	*18*	*	*	*	*	*	*	" *(Whit. Park)*
b NORTH WALES.																						
p Llandudno	71	61	26th	43	28th	55·0	46·9	50·8	- 4·0	6	0·34	9	- 7	3·0	- 0·9	25	*	*	*	*	*	*	Llandudno.
a Holyhead	15	60	26th	46	30, 1, 2	55·9	48·3	51·9	- 2·5	7	0·60	15	- 3	*3·7*	—	*31*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*59*	*26th*	*36*	*29th*	*53·7*	*40·9*	*47·0*	—	*7*	*0·98*	*24*	—	*2·1*	—	*18*	*	*	51·3	-1·8	53·9	+0·4	*Bettws-y-Coed.*
														3·1	—	26	*	*	*	*	*	*	Aberdovey.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.		Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														2·8	—	24	•	•	•	•	•	•	
a Llangammarch Wells	550	61	26th	27	1st	53·0	37·5	44·9	− 6·6	6	0·56	14	—	2·2	—	18	3	23	52·1	−2·3	54·4	0·0	Aberystwyth.
a Pembroke	149	59	28th	42	29, 30	54·6	47·0	50·6	− 4·7	7	1·61	41	+ 22	1·9	− 2·5	16	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	61	26th	38	1st	55·1	42·9	48·7	− 4·9	4	1·08	27	+ 5	2·7	—	*23*	0	31	55·0	−0·2	57·8	+1·1	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	229	63	26th	38	30, 1	55·9	43·6	49·5	− 5·1	5	0·89	23	+ 6	*3·3*	—	*28*	0	37	•	•	•	•	*Clifton.*
a Shaftesbury	722	62	26th	35	1st	54·6	41·4	47·7	− 6·1	4	1·07	27	+ 10	•	•	•	•	•	54·7	•	58·8	•	Shaftesbury.
a Arlington	613	60	26th	39	1st	55·0	43·9	49·2	− 3·8	7	1·51	38	+ 8	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*61*	*26th*	*43*	*30th*	*56·0*	*47·1*	*51·3*	*− 4·5*	*7*	*1·30*	*33*	*+ 14*	2·3	− 2·3	19	0	36	56·6	•	58·6	•	Newquay.
a Cullompton	202	64	26th	33	30th	57·3	41·1	48·8	− 5·2	5	0·89	23	+ 6	2·8	− 1·3	24	2	29	55·1	•	•	•	Cullompton.
a Portland Bill	19	64	26th	42	30th	57·7	48·6	52·9	− 3·6	3	0·47	12	—	*3·7*	—	*31*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	64	26th	38	1st	57·6	46·1	51·6	− 3·9	6	0·88	22	+ 4	3·9	− 0·7	33	•	•	55·9	−1·9	58·6	•	Plymouth.
a Falmouth	167	62	26th	41	30th	57·4	45·0	50·9	− 4·5	6	1·41	36	+ 14	2·5	− 2·2	21	0	33	59·0	•	61·0	•	Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	55	2nd	42	30, 2	51·7	45·4	48·4	− 4·2	6	0·52	13	− 5	*4·2*	—	*35*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	59	27th	42	29, 30	55·3	45·1	50·0	− 2·9	7	1·02	26	0	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	59	2nd	32	30th	54·4	40·7	47·2	− 4·1	6	1·04	26	+ 4	3·4	0·0	29	2	25	54·9	•	56·1	•	Markree Castle.
a Birr Castle	175	64	2nd	33	29th	55·7	40·3	47·6	− 4·4	5	0·68	17	+ 3	*3·1*	*− 0·8*	*26*	•	•	•	•	•	•	*Birr Castle.*
b, East .. { *p* Armagh	196	57	27th	33	29th	53·9	38·7	45·9	− 5·7	6	0·37	9	− 6	3·9	+ 0·3	33	4	25	54·1	−1·6	56·3	+0·7	Armagh.
a Donaghadee	101	58	26th	41	1, 2	52·7	44·7	48·5	− 4·3	7	0·73	19	+ 3	•	•	•	•	•	•	•	•	•	•
10. IRELAND, S.																	1	30	54·8	−1·0	56·9	+1·0	Trinity Coll.
p Dublin, City	47	59	26, 2	37	29, 1	54·0	42·3	47·9	− 6·1	5	0·80	20	+ 7	3·3	− 1·1	28	0	32	•	•	•	•	Phœnix Park.
a, East .. { *a* Kilkenny	212	65	2nd	33	30th	56·1	39·9	47·6	− 4·7	6	0·65	17	+ 2	•	•	•	0	32	•	•	•	•	Dublin City.
a Waterford	20	66	27, 2	37	29, 30	58·6	42·1	50·0	− 3·4	4	0·66	17	− 2	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*64*	*2nd*	*36*	*29th*	*54·3*	*42·7*	*48·2*	—	*3*	*0·72*	*18*	—	*3·7*	—	*31*	0	33	•	•	•	•	*Seskin.*
b, West .. { *a* Birr Castle	175	64	2nd	33	29th	55·7	40·3	47·6	− 4·4	5	0·68	17	+ 3	3·1	− 0·8	26	•	•	•	•	•	•	Birr Castle.
a Foynes	50	61	2nd	42	29th	56·4	46·3	51·1	− 2·4	3	0·65	16	− 3	•	•	•	•	•	•	•	•	•	•
a Cahir	199	64	2nd	38	29th	57·1	42·6	49·5	− 3·8	7	1·00	25	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	64	2nd	36	29, 30	59·7	44·3	51·6	− 1·9	6	0·95	24	0	•	•	•	•	•	•	•	•	•	•
a Valencia	30	61	26, 2	45	1st	58·4	48·4	53·2	− 1·4	7	0·61	16	− 10	4·9	+ 0·9	41	•	•	•	•	•	•	Valencia.
a Roche's Point	32	65	2nd	42	29th	58·1	46·6	52·1	− 2·4	6	1·19	30	+ 11	5·0	—	42	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	62	26th	47	29, 30	58·1	49·7	53·7	− 3·4	5	1·03	26	+ 9	2·4	− 2·6	20	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	62	26, 27	43	30th	58·6	48·9	53·5	− 5·0	7	1·42	36	+ 17	2·8	− 2·6	24	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	60	26, 27	45	30, 1	58·1	48·4	53·0	− 4·8	6	1·00	25	+ 5	2·8	− 2·3	24	0	35	57·9	−1·5	61·4	+1·0	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, October 2nd, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.		Date and Hour.		Highest Gust with Date and Time.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.			m/s.	d.	h. m.
1. SCOTLAND, E.																	
Dyce	75	‡15**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen*	105	37 ‖ 52 ‖	—	—	—	—	97	61	10	0	N.	10	27th	12h.	18	28th	14 . 19
Edinburgh	39	31	—	—	—	—	37	117	12	2	N.	8	29th	14h.	14	29th	13 . 48
6. SCOTLAND, W.																	
Eskdalemuir ..	50	22	—	—	27th	1	58	79	30	0	NNE.	12	27th	7h.	18	27th	7 . 7
Paisley (Coats Obs.)	81	52	—	—	—	—	10	97	61	0	NNE.	9	29th	20h.	15	29th	19 . 39
2. ENGLAND, N.E.																	
Alnwick Castle ..	70	17	—	—	—	—	55	83	30	0	NNW.	9	27th	11h	19	27th	11 . 1
South Shields ..	61	12	—	—	27th	1	77	78	12	0	N. by E.	12	27th	14h.	20	30th	11 . 53
Spurn Head	40	‡	—	—	27, 29 to 1	49	43	34	3	39	SSW.	14	27th	14h.	19	27th	14 . 54
3. ENGLAND, E.																	
Gorleston	42	‡	—	—	29th	1	71	96	0	0	—	12	29th	4h.	16	29th	6 . 45
Shoeburyness ..	90	‡	—	—	28, 29	5	58	99	6	0	—	12	29th	3h.	19	29th	3 . 10
4. MIDLAND COUNTIES.																	
Benson	84	‡	—	—	—	—	30	84	54	0	NE. by N.	8	28th	21h.	14	29th	11 . 56
5. ENGLAND, S.E.																	
Dover	40	‡	—	—	29th	10	64	58	36	0	—	15	29th	9h.	23	29th	8 . 43
Warlingham ..	33	‡	No Record—instrument under repair.														
Brighton	53	6	—	—	—	—	28	120	0	20	—	10	29th	3h.	19	29th	3 . 0
Kew†	65	6 ‖ 22 ‖	—	—	—	—	13	78	77	0	NE. by N.	9	29th	1h.	17	29th	1 . 25
South Kensington ..	92	30	—	—	—	—	7	61	100	0	NNE.	7	29th	1h.	14	29th	0 . 41
7. ENGLAND, N.W.																	
Carnforth	56	23	—	—	—	—	2	51	115	0	N. by E.	7	27th	12h.	12	27th	11 . 39
Southport	62	48	—	—	—	—	72	85	11	0	N.	11	27th	8h.	14	27th	8 . 20
Holyhead*	40	‡	—	—	26, 27, 29, 30	36	88	38	6	0	N. by E.	15	29th	20h	19	29th	21 . 15
8. ENGLAND, S.W.																	
Pendennis Castle§ ..	65	24	—	—	—	—	70	63	35	0	SSE.	10	1st	24h.	20	29th	12 . 42
Plymouth††	86	21	—	—	—	—	11	72	85	0	—	8	27th	13h.	15	29th	10 . 50
10. IRELAND, S.																	
Quilty	40	‡	—	—	28, 27, 29	9	81	55	0	23	—	12	29th	15h.	20	29th	12 . 33
Weaver Pt.	30	‡	—	—	26, 27, 29	10	88	65	5	0	—	13	27th	4h.	18	29th	11 . 45
11. ENGLISH CHANNEL.																	
Scilly*	32 19	‡	—	—	27, 29, 30	34	78	36	20	0	N.	14	30th	1h.	20	29th	21 . 14

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory

** Above tops of trees.

‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

†† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

THIRTY-EIGHTH WEEK—September 26th to October 2nd, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	29	50·1	38·5	44·0	− 5·7	29	− 27	10	+ 8	5	0	0·64	16	− 16	4·4	+1·5	37	1009
Eastern.																			
1. SCOTLAND, EAST ...	60	26	52·6	37·8	44·9	− 5·2	38	− 21	12	+ 10	4	− 1	0·93	24	+ 7	5·1	+1·7	43	1007
2. ENGLAND, N.E.	65	27	54·2	39·9	46·7	− 5·6	42	− 31	6	+ 6	3	− 1	0·39	10	0	5·4	+1·5	45	1005
3. ENGLAND, EAST ...	68	30	56·2	41·1	48·3	− 5·3	48	− 34	3	+ 2	4	0	0·95	24	+ 11	4·1	−0·3	35	1005
4. MIDLAND COUNTIES ...	67	30	55·0	39·2	46·8	− 5·6	45	− 30	8	+ 7	3	− 1	0·44	11	− 3	3·9	0·0	32	1007
5. ENGLAND, S.E.	67	27	56·6	41·4	48·6	− 6·4	49	− 43	2	+ 2	3	− 1	1·33	34	+ 18	3·2	−1·2	27	1005
Western.																			
6. SCOTLAND, WEST ...	62	24	54·4	37·9	45·7	− 5·8	43	− 24	11	+ 10	1	− 4	0·03	1	− 28	5·5	+2·0	46	1008
7. ENGLAND, N.W.	61	27	54·0	41·4	47·3	− 5·6	40	− 37	2	+ 2	3	− 1	0·17	4	− 17	4·5	+0·8	38	1007
8. ENGLAND, S.W.	64	27	55·8	43·7	49·5	− 4·8	53	− 33	0	0	5	+ 1	1·04	26	+ 3	2·6	−1·5	22	1007
9. IRELAND, NORTH ...	64	32	54·0	42·5	47·9	− 4·2	41	− 30	0	0	6	+ 1	0·73	18	− 4	3·7	+0·3	31	1009
10. IRELAND, SOUTH ...	66	33	57·1	43·6	50·0	− 3·5	56	− 24	0	0	5	0	0·80	20	+ 2	4·1	0·0	34	1010
11. ENGLISH CHANNEL ...	62	43	58·3	49·0	53·4	− 4·1	80	− 28	0	0	6	+ 1	1·15	29	+ 9	2·7	−2·5	22	1008

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 5 Weeks, August 29th to October 2nd, 1915.

0. SCOTLAND, NORTH ...	76	29	57·6	45·8	51·4	*	345	− 11	10	+ 7	19	− 5	3·41	86	− 49	4·0	+0·6	31	1015
Eastern.																			
1. SCOTLAND, EAST ...	77	26	60·3	44·0	51·8	*	364	− 20	14	+ 10	15	− 5	3·86	98	+ 25	4·8	+0·7	37	1015
2. ENGLAND, N.E.	76	27	62·1	47·2	54·3	*	438	− 11	6	+ 6	12	− 5	1·75	45	− 17	5·5	+1·0	43	1016
3. ENGLAND, EAST ...	80	30	63·9	48·7	56·0	*	492	− 15	3	+ 2	13	− 3	1·82	46	− 14	5·7	+0·6	45	1016
4. MIDLAND COUNTIES ...	80	30	64·1	46·0	54·6	*	455	− 12	8	+ 6	10	− 6	1·45	37	− 27	5·3	+0·8	42	1016
5. ENGLAND, S.E.	78	27	64·7	48·7	56·4	*	506	− 42	2	+ 2	11	− 5	3·01	77	+ 7	5·9	+0·7	47	1016
Western.																			
6. SCOTLAND, WEST ...	73	24	60·9	46·2	53·2	*	410	− 2	12	+ 11	14	− 6	1·67	42	− 84	4·8	+0·5	37	1016
7. ENGLAND, N.W.	76	27	62·7	48·2	55·1	*	460	− 6	2	+ 2	13	− 6	1·44	36	− 57	5·6	+1·3	44	1016
8. ENGLAND, S.W.	78	27	63·5	48·1	55·9	*	489	− 19	0	0	17	− 1	2·23	57	− 39	5·6	+0·7	43	1016
9. IRELAND, NORTH ...	73	32	61·5	48·8	54·9	*	451	+ 20	0	0	21	− 1	2·55	64	− 35	4·4	+0·6	35	1014
10. IRELAND, SOUTH ...	77	33	63·6	50·3	56·6	*	513	+ 39	0	0	20	+ 1	2·76	69	− 21	5·0	+0·5	39	1016
11. ENGLISH CHANNEL ...	77	43	65·5	53·3	59·1	*	599	− 8	0	0	14	− 6	3·23	81	+ 3	6·5	+0·4	51	1016

THE YEAR.—Aggregates, &c., for the Period of 39 Weeks, January 3rd to October 2nd, 1915.

0. SCOTLAND, NORTH ...	80	12	52·8	41·1	46·7	*	1815	− 13	513	− 47	168	−11	31·42	797	−107	3·7	+0·1	28	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·5	39·8	46·8	*	1966	− 98	644	+ 20	144	− 4	23·12	588	+ 36	4·3	0·0	32	1012
2. ENGLAND, N.E.	85	20	56·0	42·4	48·9	*	2315	+ 19	409	− 66	128	− 5	18·06	458	+ 17	4·8	+0·2	36	1013
3. ENGLAND, EAST ...	90	18	57·4	43·6	50·2	*	2626	− 26	384	−138	133	+ 5	19·85	507	+ 85	5·0	0·0	38	1013
4. MIDLAND COUNTIES ...	87	19	58·0	41·8	49·5	*	2525	− 71	459	− 76	119	− 8	20·31	517	+ 43	4·7	+0·3	36	1014
5. ENGLAND, S.E.	88	15	58·0	44·2	50·8	*	2743	−101	320	− 61	110	−12	22·12	566	+105	5·1	0·0	39	1014
Western.																			
6. SCOTLAND, WEST ...	78	18	55·5	42·0	48·4	*	2204	− 17	446	+ 20	140	−15	25·18	641	−191	4·7	+0·3	36	1013
7. ENGLAND, N.W.	77	21	56·0	43·4	49·4	*	2377	− 51	346	− 40	126	−16	22·76	579	− 30	5·0	+0·6	38	1013
8. ENGLAND, S.W.	79	17	57·1	44·6	50·4	*	2599	− 88	298	− 3	135	− 4	26·63	677	+ 26	5·0	0·0	38	1014
9. IRELAND, NORTH ...	75	20	55·3	43·2	49·0	*	2258	− 64	352	+ 7	165	− 4	23·96	610	− 74	4·1	+0·1	31	1012
10. IRELAND, SOUTH ...	78	21	57·3	44·7	50·7	*	2656	+ 2	284	+ 25	162	+12	27·18	694	− 13	4·6	+0·1	35	1014
11. ENGLISH CHANNEL ...	81	27	57·8	47·6	52·5	*	2981	− 81	120	+ 11	127	−21	22·08	556	+ 23	5·7	−0·3	43	1015

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., October 7th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LIMITED, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 40. FORTIETH WEEK, SUNDAY, OCTOBER 3RD, TO SATURDAY, OCTOBER 9TH, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

In the earlier half of the week the weather was mostly fair and dry, but on the 4th and 5th heavy local showers occurred on the Kentish coast. Later on the conditions became temporarily less settled, and on the 7th or 8th most places situated in the western half of the Kingdom experienced considerable falls of rain. The largest quantities were reported on the Cornish coast and in the south and west of Ireland, where the amounts recorded on the 7th ranged in many places between 30 and 40 mm. At Roche's Point there was as much as 44 mm., at Valencia 46 mm., at Ballinacurra 47 mm. (in the space of 16 hours), and at Waterford 58 mm. Owing to these heavy falls the total rainfall for the week in Ireland South was above the average. In all other districts there was a considerable deficiency, and at a number of stations in the English midland and northern counties the week was rainless. The mean temperature was below the average in most parts of Great Britain. In the north of Scotland there was a slight excess, and in Ireland a marked excess. Frost occurred at many northern stations on the early morning of the 5th or 6th, the sheltered thermometer falling to 28° in Scotland West and England North-West, and to 22° in Scotland East (at West Linton). On the surface of the grass the lowest readings reported were 19° at Gordon Castle and West Linton, 22° at Balmoral and 23° at Newton Rigg. A deficiency in the amount of bright sunshine was reported in most districts, and especially in the Midland Counties, where the mean daily duration, only 1·4 hours, was considerably less than half the average. In Scotland North and East the mean duration exceeded 4½ hours, and was above the normal for the season.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual
	Rainfall ...	Very light	Very light	Very light	Light	Very light	Very light	Light	Very light	Light	Light	Heavy	Light
	Sunshine ...	Very abundant	Abundant	Scanty	Scanty	Very scanty	Scanty	Scanty	Moderate	Scanty	Scanty	Scanty	Moderate

THE SEASON.

AUTUMN. 6 weeks from Aug. 29th, 1915.	Warmth ...	3, 1, 2	2, 2, 2	3, 1, 2	2, 2, 2	2, 2, 2	2, 0, 4	3, 1, 2	3, 1, 2	2, 2, 2	3, 1, 2	4, 0, 2	3, 1, 2
	Rainfall ...	1, 1, 4	2, 2, 2	1, 2, 3	1, 2, 3	0, 2, 4	2, 1, 3	0, 2, 4	0, 2, 4	0, 2, 4	0, 3, 3	2, 2, 2	2, 1, 3
	Sunshine ...	4, 0, 2	3, 2, 1	2, 3, 1	1, 3, 2	1, 4, 1	1, 3, 2	3, 0, 3	3, 3, 0	2, 2, 2	2, 3, 1	2, 2, 2	1, 4, 1

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, October 9th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	50	50	50·0	-1·1	Cleggan	56	55	55·7	+1·0
Wick*	49	48	48·2	-3·9	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	48	46	46·9	-4·9
Ballantrae	55	52	53·0	-0·2	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	59	55	58·2	-0·8
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	59	58	58·2	+0·8	Eastbourne‡	55	55	54·9	-4·3
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	57	52	54·9	-0·9	Port Erin	56	55	55·3	-0·1

* Five days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(6297—19.) Wt. 160—610. 450. 10/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.	*31*													*	*	*	*	*	*	*	*	*	
a, Islands .. *p Baltasound*	*31*	54	5, 7, 8	45	3, 4	52·7	47·6	50·1	+ 2·4	0	0·00	0	—	4·7	+ 1·6	42	*	*	*	*	*	*	*Baltasound.*
a Lerwick ..	54	58	4th	41	3rd	56·7	45·3	50·8	+ 2·5	3	0·03	1	- 29	3·4	+ 0·2	30	*	*	*	*	*	*	Deerness.
a Stornoway	51	58	4th	41	3rd	56·7	45·3	50·8	+ 2·5	3	0·03	1	- 29	3·4	+ 0·2	30	*	*	*	*	*	*	Stornoway.
a Castlebay, Barra Isd.	*37*	*58*	*3rd*	*48*	*3rd*	*56·0*	*50·6*	*53·2*	+ *3·1*	*2*	*0·16*	*4*	—	*3·0*	—	*27*	*	*	*	*	*	*	*Castlebay.*
b, Mainland. *a* Wick	81	54	9th	29	3rd	52·7	37·7	45·0	- 3·9	1	0·01	0·3	- 17	*	*	*	*	*	*	*	*	*	
p Strathpeffer	200	65	7th	34	6th	56·7	39·3	47·7	- 0·9	0	0·00	0	- 15	5·7	+ 2·4	50	*	*	*	*	*	*	Strathpeffer.
p Glencarron	500	58	3–7, 9	34	6th	57·6	39·6	48·3	+ 1·0	1	0·02	1	- 52	*	*	*	*	*	*	*	*	*	
p Fort Augustus	68	61	4th	29	6th	58·9	38·7	48·5	- 0·8	1	0·03	1	- 23	4·5	+ 2·1	40	*	*	*	*	*	*	Fort Augustus.
p Fort William	171	58	7th	31	6th	55·6	40·9	48·0	- 2·3	2	0·12	13	- 32	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.														6·4	—	57	4	19	47·9	-4·4	51·7	-1·1	Crathes.
p Gordon Castle	101	64	4th	34	3, 4	60·1	40·9	50·2	+ 0·3	2	0·04	1	- 17	*6·5*	—	*58*	*	*	*	*	*	*	*Gordon Castle.*
a Nairn	82	60	7th	29	3rd	55·1	35·0	44·8	- 4·1	2	0·02	1	- 12	5·8	—	51	*	*	*	*	*	*	Nairn.
a Aberdeen	46	58	8th	32	3, 6	56·3	38·4	47·1	- 2·8	1	0·02	0·4	- 16	5·3	+ 1·7	47	*	*	*	*	50·8	-0·8	Aberdeen.
a Balmoral	930	63	7th	25	6th	60·3	33·3	46·4	+ 0·2	1	0·03	1	- 18	*	*	*	5	22	*	*	*	*	Balmoral.
p Crieff	432	58	3rd	34	4th	52·4	40·0	46·0	- 3·9	2	0·56	14	- 7	3·0	—	27	*	*	*	*	*	*	Balruddery.
a Leith	18	59	7th	33	5th	55·6	38·6	46·9	- 4·1	1	0·31	8	- 3	*	*	*	*	*	*	*	*	*	
a West Linton	769	56	5, 6, 9	22	5, 6	54·7	31·1	42·6	- 4·2	2	0·16	4	—	*3·9*	—	*35*	5	19	*	*	*	*	*West Linton.*
p Marchmont	498	59	9th	33	5th	55·9	39·1	47·3	- 2·2	1	0·07	2	- 17	4·0	+ 0·7	35	2	28	*	*	*	*	Marchmont.
a Edinburgh	*441*	*56*	*4th*	*34*	*6th*	*53·6*	*42·9*	*48·1*	—	*2*	*0·32*	*8*	—	3·7	—	33	1	29	*	*	*	*	Edinburgh.
6. *a* SCOTLAND, W.														*	*	*	*	*	*	*	*	*	
a Poltalloch	132	59	4th	34	6th	55·7	42·4	48·9	- 1·4	3	0·41	10	- 19	*	*	*	*	*	*	*	*	*	
p Glasgow Observatory	180	55	7, 9	34	6th	53·4	42·1	47·6	- 2·2	2	0·47	12	- 8	1·1	- 1·6	10	3	28	*	*	*	*	Glasgow.
p Rothesay	170	56	3rd	40	6th	53·9	45·7	49·7	- 1·0	2	0·79	20	- 5	*3·4*	—	*30*	0	32	49·0	*	52·4	-0·3	*Rothesay.*
a Kilmarnock	90	61	5th	28	6th	58·1	41·1	49·4	- 0·8	1	0·16	4	—	*3·2*	—	*28*	*	*	*	*	*	*	*Kilmarnock.*
a Colmonell	170	62	4th	30	6th	58·1	42·3	50·0	- 0·9	3	0·41	10	- 15	*	*	*	1	25	*	*	*	*	
a Dumfries	160	58	4, 5, 9	34	4th	56·0	41·0	48·3	- 2·3	1	0·08	2	- 18	*2·3*	—	*20*	1	29	48·7	*	53·6	*	*Dumfries.*
Eskdalemuir	*799*	*56*	*5, 9*	*29*	*5th*	*54·0*	*35·0*	*44·2*	—	*1*	*0·04*	*1*	—	*2·9*	—	*26*	*	*	*	*	*	*	*Eskdalemuir.*
p Cally, Gatehouse	120	59	5th	33	6th	56·7	41·6	48·9	- 1·0	1	0·53	13	- 12	*	*	*	*	*	*	*	*	*	
b, I. OF MAN. *p* Douglas	277	57	4, 6, 9	41	5, 6	56·0	47·6	51·7	+ 0·6	2	1·29	33	+ 8	2·4	- 1·5	21	0	36	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	58	7th	29	3rd	55·7	38·3	46·7	- 3·1	1	0·05	1	- 17	0·8	—	7	1	29	46·9	-4·7	50·3	-1·6	Cockle Park.
a Tynemouth	71	55	5, 8	36	3rd	53·4	42·1	47·6	- 3·1	2	0·08	2	- 13	*	*	*	*	*	*	*	*	*	*Tynemouth.*
p Durham	336	58	5th	29	5th	55·4	40·7	47·8	- 2·2	1	0·11	3	- 12	2·8	- 0·6	25	1	27	*	*	*	*	Durham.
a, North .. *p* Rounton	249	59	3, 8	32	5th	56·0	42·3	49·0	- 0·8	2	0·10	3	- 11	*	*	*	1	30	50·5	*	*	*	Rounton
a West Wilton	*605*	*58*	*5th*	*35*	*5th*	*54·3*	*42·3*	*48·1*	—	*3*	*0·07*	*2*	—	*	*	*	1	29	48·3	*	51·4	*	*West Wilton.*
p Scarborough	100	58	4th	46	3, 5	55·6	47·6	51·5	- 0·4	1	0·06	2	- 13	2·8	—	25	*	*	*	*	56·7†	*	Scarborough.
p York	58	60	8th	38	5th	57·3	43·3	50·1	- 1·3	1	0·08	2	- 11	2·0	- 1·3	18	*	*	52·7	-2·0	55·1	+0·1	York.
b, South .. *a* Spurn Head	26	58	3, 4, 6–8	44	4th	57·1	48·0	52·4	- 0·3	2	0·06	2	- 9	*4·0*	—	*35*	*	*	*	*	*	*	*Spurn Head.*
a Lincoln	58	62	3rd	38	5th	58·3	43·6	50·7	- 0·8	0	0·00	0	- 13	*	*	*	*	*	51·2	-3·3	56·0	+0·9	Lincoln.
a Fulbeck	180	61	3rd	38	5th	57·7	41·7	49·5	- 2·2	0	0·01	0·3‖	- 12	2·5	—	22	0	32	52·2	-2·4	55·2	-0·5	Rauceby.
														3·4	—	30	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
p Cromer	196	60	7th	43	3rd	56·6	49·0	52·7	+ 0·2	4	0·36	9	—	3·2	—	28	*	*	*	*	*	*	Cromer
p Little Massingham	280	60	3rd	39	3rd	56·9	42·9	49·7	- 2·4	2	0·15	4	- 12	3·1	- 0·7	27	0	32	*	*	*	*	Lit. Massingham.
a, North .. *a* Yarmouth	17	60	3rd	40	3rd	56·7	47·3	51·9	- 0·8	3	0·47	12	- 3	3·1	—	27	*	*	53·9	-2·7	57·3	-0·5	Yarmouth.
a Norwich	93	60	3rd	33	3rd	56·9	42·6	49·5	- 3·8	5	0·48	12	—	*3·6*	—	*32*	1	30	50·5	*	*	*	*Norwich.*
a Geldeston	37	60	7th	34	3rd	57·1	43·4	50·1	- 2·2	5	0·44	11	- 4	3·5	- 0·8	31	*	*	*	*	*	*	Geldeston.
p Cambridge	41	61	3rd	36	3rd	57·3	39·9	48·3	- 3·8	2	0·03	1	- 11	2·8	- 1·3	25	2	29	52·6	-3·2	56·4	-0·7	Cambridge.
a Clacton-on-Sea	54	59	6th	44	4th	56·9	48·0	52·3	- 1·1	3	0·16	4	—	3·8	—	33	0	38	52·8	-4·1	56·4	-1·2	Clacton.
b, South .. *a* Rothamsted	424	57	3rd	39	5th	54·9	43·9	49·2	- 1·8	2	0·03	1	- 14	3·0	- 2·1	18	0	32	51·6	*	*	*	Rothamsted.
p Tottenham	51	60	3rd	42	5th	57·7	47·1	52·2	- 1·2	1	0·02	1	—	2·1	—	18	0	40	*	*	58·1	+0·6	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	57	8th	38	5th	53·7	41·0	48·7	- 1·6	3	0·11	3	- 9	1·6	—	14	0	31	50·5	-2·2	52·4	-0·4	Harrogate.
p Buxton	*987*	*55*	*6th*	*33*	*4th*	*52·4*	*40·0*	*46·0*	- *2·3*	*1*	*0·01*	*0*	- *25*	*1·5*	- *1·7*	*13*	0	31	48·1	-4·8	53·8	+0·8	*Buxton.*
														0·6	—	5	0	36	50·9	-3·1	53·8	-0·1	Sheffield.
a Bawtry	65	60	3, 8	36	5th	57·6	42·4	49·8	- 1·4	1	0·04	1	- 12	1·6	—	14	1	28	50·9	*	53·1	*	Worksop.
a Nottingham	82	61	3rd	33	5th	57·9	41·6	49·5	- 2·3	0	0·00	0	- 14	1·8	—	16	0	32	50·5	-3·6	54·4	-1·1	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	57	6th	40	7th	55·6	43·9	49·6	- 1·4	1	0·02	0·4	—	0·8	—	7	0	32	49·6	-3·1	52·7	-0·1	Birmingham.
a Raunds	203	63	3rd	36	5th	57·8	41·6	49·5	- 2·3	2	0·09	2	—	*2·4*	—	*21*	1	29	54·7	*	57·3	*	*Raunds.*
p Oxford	208	59	6th	38	5th	57·0	43·6	50·1	- 2·0	0	0·00	0	- 14	1·7	- 2·3	15	1	30	*	*	*	*	Oxford.
c, West .. *a* Cheadle	646	55	5, 9	40	3, 5	53·9	42·9	48·2	- 1·8	0	0·00	0	- 17	*	*	*	0	36	*	*	*	*	Cheadle.
p Shrewsbury	191	60	9th	32	5th	56·4	40·3	48·1	- 4·1	0	0·00	0	—	*	*	*	0	31	*	*	*	*	Shrewsbury.
a Hereford§	291	57	8th	31	5th	55·3	39·6	47·2	- 4·8	0	0·00	0·1	- 13	*1·5*	—	*13*	1	28	51·5	*	56·2	*	*Malvern.*§
a Cirencester	446													*	*	*	*	*	*	*	*	*	Cirencester.
a Bath	66	60	9th	35	5th	58·3	40·4	49·1	- 4·4	0	0·00	0·1	- 15	1·9	—	17	*	*	53·6	-3·8	57·3	-1·2	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	59	8th	32	5th	56·4	39·7	47·8	- 2·8	1	0·02	0·4	- 15	2·8	—	25	0	36	53·1	-4·1	57·6	+0·3	Worthing.
a Margate	53	59	3rd	43	3rd	57·0	49·1	52·9	- 1·6	4	0·49	13	- 1	2·2	- 1·3	19	1	26	52·5	*	55·4	*	Marlborough.
a Wisley, Surrey	150	61	3rd	36	5th	57·7	41·7	49·5	- 3·7	1	0·07	2	—	4·7	+ 0·6	41	0	40	53·7	-1·7	57·4	+0·7	Margate.
p Salisbury (Wilton)	180	61	6th	34	5th	58·6	41·4	49·8	- 2·5	1	0·17	4	- 13	1·9	—	17	2	27	52·4	-3·4	56·3	-1·8	Wisley.
a Tunbridge Wells	354	60	4th	35	4th	57·1	43·3	50·0	- 2·3	2	0·04	1	- 17	2·4	- 1·9	21	1	28	53·2	-3·0	56·8	*	Salisbury.
																							Tunbridge Wells.
a Dungeness	21	59	3, 9	39	4th	57·7	47·6	52·5	- 2·4	2	0·08	2	- 13	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings	178	59	3, 4, 9	45	4th	57·6	48·0	52·7	- 1·8	1	0·03	1	- 18	4·5	- 0·1	39	0	37	53·5	*	56·4	*	Hastings.
p Southampton	64	60	9th	39	5th	58·3	45·6	51·8	- 2·4	1	0·02	0·4	- 17	1·9	- 2·5	17	0	31	*	*	*	*	Southampton.
a Ventnor	59	61	7th	44	5th	58·9	50·1	54·4	- 1·7	1	0·01	0·2	- 15	2·7	- 2·0	24	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	60	3rd	41	4, 5	57·7	44·6	51·0	- 1·8	2	0·06	2	- 12	1·9	- 1·9	17	1	28	51·6	-4·4	55·8	-0·5	Kew.
a Westminster	*27*	*61*	*3rd*	*42*	*4th*	*58·7*	*47·8*	*52·9*	+ *0·3*	*2*	*0·02*	*1*	- *12*	*1·8*	- *1·1*	*16*	0	?39	*	*	*	*	*Westminster.*
a Greenwich	*155*	*61*	*3rd*	*39*	*4th*	*58·7*	*45·3*	*51·8*	- *2·0*	*2*	*0·07*	*2*	- *11*	*2·6*	- *1·4*	*23*	1	28	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*59*	*3rd*	*40*	*5th*	*55·9*	*44·7*	*50·1*	—	*1*	*0·04*	*1*	—	*1·9*	—	*17*	1	27	*	*	*	*	*Hampstead.*
a Camden Square	*110*	*63*	*3rd*	*41*	*4th*	*60·1*	*45·9*	*52·8*	—	*2*	*0·04*	*1*	—	*1·7*	—	*15*	0	37	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.														1·8	—	16	*	*	*	*	*	*	Hoylake.
p Aspatria	250	60	9th	33	4, 5	55·3	40·7	48·3	- 2·1	2	0·10	3	- 20	2·9	—	26	1	27	48·9	*	53·1	*	Aspatria.
p Newton Rigg	559	60	5th	28	5th	56·6	37·9	47·0	- 2·0	0	0·00	0	- 20	3·3	0·0	29	3	23	49·7	-4·0	52·6	-1·0	Newton Rigg.
p Stonyhurst	375	57	5, 6, 8	37	4, 5	56·0	44·3	50·0	- 0·2	1	0·02	1	- 25	2·4	- 1·1	21	0	33	*	*	*	*	Stonyhurst.
p Blackpool	66	60	9th	34	5th	57·9	44·4	51·0	- 1·1	0	0·00	0	- 21	2·5	- 1·0	22	1	25	53·1	*	55·6	*	Blackpool.
a Southport	*37*	*59*	*9th*	*33*	*5th*	*57·1*	*43·4*	*50·1*	- *1·7*	*0*	*0·00*	*0*	- *20*	*2·7*	- *0·8*	*24*	1	28	50·4	-4·4	54·6	-1·8	*Southport.*
a Liverpool (Bidston)	188	58	9th	40	5, 6	55·4	43·6	49·3	- 2·9	0	0·00	0	- 18	*1·4*	—	*12*	*	*	*	*	*	*	*Liverpool.*
a Hawarden Bridge	*23*	*59*	*9th*	*33*	*5th*	*56·6*	*41·0*	*48·6*	- *4·3*	*0*	*0·00*	*0*	- *15*	*1·7*	—	*15*	1	30	51·5	*	57·4	+1·3	*Manchester (City),*
p Manchester (Whit. Pk.)	125	61	9th	38	5th	57·6	45·3	51·3	- 0·1	0	0·00	0	- 18	*1·5*	- *1·3*	*13*	*	*	*	*	*	*	" (Whit. Park)
b NORTH WALES.																							
p Llandudno	71	61	9th	41	5th	57·6	46·1	51·7	- 1·6	2	0·27	7	- 11	3·2	- 0·3	28	*	*	*	*	*	*	Llandudno.
a Holyhead	15	62	3, 6	44	5, 6	59·7	47·0	53·2	+ 0·2	2	0·79	20	0	*2·6*	—	*33*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*60*	*9th*	*35*	*5th*	*57·3*	*42·0*	*49·4*	- *3·2*	*1*	*0·07*	*2*	—	*2·3*	—	*19*	*	*	49·3	-3·4	52·6	-0·7	*Bettws-y-Coed.*
														2·7	—	24	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford ‖ Dew.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						Stations reporting Sunshine and Temperature on the Grass and in the Ground.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
																	Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average.	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														3·1	—	27	*	*	*	*	*	*	
a Llangammarch Wells	550	58	4, 9	32	5th	55·0	38·5	46·5	- 3·7	0	0·00	0	—	2·1	—	18	1	30	50·4	-3·6	53·4	-0·7	Llangammarch.
a Pembroke	149	64	4th	44	6th	58·0	49·7	53·7	- 0·2	4	1·04	26	+ 6	2·5	- 1·5	22	*	*	*	*	*	*	Pembroke.
p Cardiff	202	58	4, 8	39	5th	56·1	45·3	50·5	- 1·5	0	0·00	0	- 24	2·7	—	24	0	36	52·6	-2·5	56·1	-0·4	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	59	8, 9	41	5th	57·3	44·0	50·5	- 2·3	0	0·00	0·1	- 19	*1·8*	—	*16*	0	37	*	*	*	*	*Clifton.*
a Shaftesbury	722	58	6th	39	5th	55·1	44·7	49·8	- 2·2	1	0·09	2	- 16	*	*	*	*	*	52·5	*	56·9	*	Shaftesbury.
a Arlington	613	61	3rd	37	5th	57·0	44·4	50·5	- 1·2	2	0·21	5	- 28	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*60*	*3rd*	*38*	*6th*	*57·4*	*46·9*	*52·0*	- *2·4*	*2*	*0·76*	*19*	*0*	3·2	- 1·1	28	0	33	55·2	*	57·3	*	Newquay.
a Cullompton	202	63	3rd	34	5th	59·3	43·6	51·2	- 1·1	0	0·00	0	- 18	2·3	- 1·4	20	1	30	53·4	*	*	*	Cullompton.
a Portland Bill	19	59	4, 9	44	5th	57·7	48·9	53·2	- 1·7	1	0·20	5	—	*1·9*	—	*17*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	62	3, 5	42	5, 6	59·9	48·1	53·8	- 0·3	1	0·74	19	0	2·4	- 1·7	21	*	*	54·2	-2·9	57·1	*	Plymouth.
a Falmouth	167	65	3rd	42	6th	59·3	48·3	53·6	- 0·6	2	1·40	36	+ 12	4·0	- 0·2	35	0	31	57·6	*	59·4	*	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	61	4, 9	44	6th	58·0	46·4	52·0	+ 0·5	2	0·08	2	- 16	*4·7*	—	*41*	*	*	*	*	*	*	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	60	3, 5	46	8th	58·0	49·9	53·8	+ 1·5	5	1·25	32	+ 5	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	64	3rd	38	4th	59·3	42·7	51·8	+ 1·0	1	1·00	25	+ 2	2·4	- 0·8	21	0	32	53·8	*	55·0	*	Markree Castle.
a Birr Castle	175	63	4th	41	4, 9	60·3	44·1	52·0	+ 1·5	1	0·35	9	- 6	*4·2*	+ *0·5*	*37*	*	*	*	*	*	*	*Birr Castle.*
b, East .. *p* Armagh	196	59	3, 6, 8	31	6th	57·3	41·6	49·2	- 1·3	2	0·45	12	- 3	2·6	- 0·7	23	2	28	52·1	-2·7	54·5	-0·7	Armagh.
a Donaghadee	101	58	3rd	44	9th	56·4	45·9	51·0	- 0·9	3	0·39	10	- 6	*	*	*	*	*	*	*	*	*	*
														*	*	*	1	29	53·3	-1·8	55·0	-0·5	Trinity Coll.
10. IRELAND, S.														2·5	- 1·5	22	1	30	*	*	*	*	Phœnix Park.
p Dublin, City	47	58	3rd	37	6th	56·9	45·7	51·1	- 1·3	2	0·72	18	+ 4	*	*	*	0	33	*	*	*	*	Dublin City.
a, East .. *a* Kilkenny	212	64	8th	35	6th	60·0	42·7	51·1	- 0·2	2	0·93	24	+ 2	*	*	*	*	*	*	*	*	*	*
a Waterford	20	64	7th	43	9th	61·1	47·1	53·9	+ 2·0	1	2·28	58	+ 38	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*63*	*8th*	*42*	*6th*	*58·9*	*45·3*	*51·9*	—	*3*	*1·51*	*38*	—	*4·2*	—	*37*	0	33	*	*	*	*	*Seskin.*
a Birr Castle	175	63	4th	41	4, 9	60·3	44·1	52·0	+ 1·5	1	0·35	9	- 6	4·2	+ 0·5	37	*	*	*	*	*	*	Birr Castle.
a Foynes	50	62	3, 4	45	9th	59·3	50·1	54·6	+ 2·4	2	0·91	23	+ 3	*	*	*	*	*	*	*	*	*	*
a Cahir	199	63	3rd	36	9th	60·1	44·1	51·9	- 0·4	1	1·37	35	—	*	*	*	*	*	*	*	*	*	*
b, West .. *a* Killarney ..	174	67	3rd	46	3rd	61·5	51·1	56·2	+ 4·1	5	1·22	31	+ 3	*	*	*	*	*	*	*	*	*	*
a Valencia	30	64	4th	46	9th	61·3	51·9	56·5	+ 2·7	5	2·49	63	+ 35	1·4	- 2·4	12	*	*	*	*	*	*	Valencia.
a Roche's Point ..	32	63	3rd	46	9th	60·1	51·3	55·6	+ 2·2	5	1·80	46	+ 26	3·2	—	28	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	4th	47	6th	58·7	50·7	54·6	- 1·3	2	1·19	30	+ 12	2·7	- 1·7	24	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	64	9th	43	5th	59·0	47·0	52·8	- 4·3	1	0·08	2	- 19	4·1	- 0·9	36	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	65	9th	46	7th	61·3	49·1	55·0	- 1·4	1	0·02	0·4	- 22	4·7	+ 0·1	41	0	41	56·3†	-2·5	59·7	-0·3	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, October 9th, 1915.

District and Station.	Height.		Distribution of Wind.								Extreme Velocities.				
			Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.	
	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s. d. h. m.	
1. SCOTLAND, E.															
Dyce	75	‡15**	—	—	—	—	29	72	53	14	SE. by E.	8	8th 10h.	15 8th 10 . 3	
Aberdeen*	105	37	—	—	—	—	35	97	36	0	SE. by S.	9	8th 10h.	15 8th 9 . 47	
		52 ‖													
Edinburgh	39	31	—	—	—	—	15	102	51	0	SSE.	7	8th 8h.	13 8th 1 . 57	
6. SCOTLAND, W.															
Eskdalemuir ..	50	22	—	—	—	—	17	62	89	0	SE. by S.	9	8th 10h.	16 8th 11 . 13	
Paisley (Coats Obs.)	81	52	—	—	—	—	8	46	114	0	S.	6	7th 14h.	12 8th 3 . 12	
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	—	—	11	30	127	0	S by E.	8	8th 14h.	13 8th 14 . 59	
South Shields ..	61	12	—	—	—	—	26	70	70	2	SSE.	9	8th 13h.	12 8th 8 . 43	
Spurn Head	40	†	—	—	—	—	58	80	21	9	—	10	5th 13h.	13 5th 12 . 41	
3. ENGLAND, E.															
Gorleston	42	‡‡	—	—	5th	2	76	86	4	0	—	12	5th 5h.	16 5th 2 . 18	
Shoeburyness ..	90	‡‡	—	—	—	—	45	105	16	2	NNE.	8	4th 12h.	13 4th 14 . 29	
4. MIDLAND COUNTIES.															
Benson	84	‡	—	—	—	—	22	85	61	0	SE.	7	7th 24h.	10 8th 10 . 30	
5. ENGLAND, S.E.															
Dover	40	‡‡	—	—	—	—	44	75	49	0	—	11	4th 11h.	16 4th 10 . 8	
Warlingham ..	33	‡‡	No Record—instrument under repair.												
Brighton	53	6	—	—	—	—	23	127	0	18	—	7	7th 24h.	12 7th 22 . 36	
Kew†	65	6	—	—	—	—	2	95	71	0	NE. by N.	6	5th 12h.	10 5th 15 . 46	
		22 ‖													
South Kensington ..	92	30	—	—	—	—	—	103	65	0	N.	4	5th 11h.	10 4th 13 . 59	
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	—	—	—	8	160	0	E. by S.	3	8th 4h.	9 8th 11 . 50	
Southport	62	48	—	—	—	—	34	112	22	0	S.E. by S.	10	8th 12h.	17 8th 10 . 6	
Holyhead*	40	‡	—	—	7, 8	4	40	97	27	0	S.E.	12	7th 24h	18 7th 23 . 58	
8. ENGLAND, S.W.															
Pendennis Castle§ ..	65	24	—	—	7, 9	13	27	53	56	19	SSE.	16	7th 19h.	19 7th 19 . 23	
Plymouth††	86	21	—	—	7th	2	19	16	131	0	—	11	7th 23h.	16 7th 23 . 18	
10. IRELAND, S.															
Quilty	40	‡‡‡	—	—	6, 7	22	78	54	14	0	—	16	7th 15h.	24 7th 19 . 12	
Weaver Pt.	30	‡‡	7th	2	6, 7	20	61	72	13	0	—	17	7th 14h.	25 7th 14 . 5	
11. ENGLISH CHANNEL.															
Scilly*	32	‡	—	—	7th	11	28	71	58	0	S.S.E.	14	7th 18h.	20 7th 22 . 2	
	19														

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof. †† From the instrument at the Royal Western Yacht Club.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTIETH WEEK—October 3rd to October 9th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	65	29	55·8	41·3	48·3	+ 0·2	47	0	2	− 1	1	− 4	0·09	2	− 33	4·6	+1·9	41	1020
Eastern.																			
1. SCOTLAND, EAST ...	64	22	56·3	37·1	46·4	− 2·1	51	0	14	+ 10	2	− 3	0·15	4	− 15	4·7	+1·5	42	1022
2. ENGLAND, N.E.	62	29	56·3	43·1	49·5	− 0·9	53	− 8	0	− 2	1	− 3	0·06	2	− 11	2·4	−1·3	21	1022
3. ENGLAND, EAST ...	61	33	56·8	44·9	50·7	− 0·8	61	− 8	0	− 2	3	− 1	0·24	6	− 9	3·0	−1·0	26	1021
4. MIDLAND COUNTIES ...	63	31	56·4	42·0	49·0	− 1·3	49	− 13	0	− 3	1	− 3	0·03	1	− 15	1·4	−2·0	13	1021
5. ENGLAND, S.E.	61	32	57·7	45·1	51·2	− 1·7	64	− 14	0	− 1	2	− 2	0·10	3	− 15	2·8	−1·1	24	1020
Western.																			
6. SCOTLAND, WEST ...	62	28	56·0	43·0	49·3	− 0·6	51	− 6	0	− 2	2	− 3	0·52	13	− 17	1·8	−1·4	15	1022
7. ENGLAND, N.W.	62	28	57·1	43·7	50·2	− 0·9	57	− 8	0	− 1	1	− 3	0·15	4	− 20	2·7	−0·5	24	1020
8. ENGLAND, S.W.	65	32	57·5	45·5	51·3	− 1·1	65	− 9	0	0	1	− 4	0·37	9	− 16	2·8	−1·0	25	1020
9. IRELAND, NORTH ...	64	31	58·2	45·1	51·5	+ 1·2	67	+ 8	0	− 1	2	− 3	0·59	15	− 8	2·5	−0·5	22	1018
10. IRELAND, SOUTH ...	67	35	60·1	47·6	53·7	+ 2·1	82	+ 14	0	− 1	3	− 1	1·34	34	+ 14	2·8	−0·9	25	1018
11. ENGLAND CHANNEL ...	65	43	59·7	48·9	54·1	− 1·6	85	− 11	0	0	1	— 3	0·43	11	− 11	3·8	−0·7	34	1019

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 6 Weeks, August 29th to October 9th, 1915.

0. SCOTLAND, NORTH ...	76	29	57·3	45·6	50·9	*	392	− 11	12	+ 6	20	− 9	3·50	88	− 82	4·1	+0·8	32	1016
Eastern.																			
1. SCOTLAND, EAST ...	77	22	59·7	42·9	50·9	*	415	− 20	28	+ 20	17	− 8	4·01	102	+ 10	4·8	+0·9	38	1016
2. ENGLAND, N.E.	76	27	61·1	46·5	53·5	*	491	− 19	6	+ 4	13	− 8	1·81	47	− 28	5·0	+0·6	39	1017
3. ENGLAND, EAST ...	80	30	62·7	48·1	55·1	*	553	− 23	3	0	16	− 4	2·06	52	− 23	5·2	+0·3	42	1017
4. MIDLAND COUNTIES ...	80	30	62·8	45·4	53·7	*	504	− 25	8	+ 3	11	− 9	1·48	38	− 42	4·7	+0·4	37	1017
5. ENGLAND, S.E.	78	27	63·6	48·1	55·5	*	570	− 56	2	+ 1	13	− 7	3·11	80	− 8	5·4	+0·4	43	1017
Western.																			
6. SCOTLAND, WEST ...	73	24	60·1	45·7	52·6	*	461	− 8	12	+ 9	16	− 9	2·19	55	−101	4·3	+0·2	34	1017
7. ENGLAND, N.W.	76	27	61·7	47·5	54·3	*	517	− 14	2	+ 1	14	− 9	1·59	40	− 77	5·1	+1·0	41	1017
8. ENGLAND, S.W.	78	27	62·5	48·5	55·2	*	554	− 28	0	0	18	− 5	2·60	66	− 55	5·1	+0·4	41	1017
9. IRELAND, NORTH ...	73	31	61·0	48·2	54·3	*	518	+ 28	0	− 1	23	− 4	3·14	79	− 43	4·1	+0·4	33	1015
10. IRELAND, SOUTH ...	77	33	63·0	48·9	56·2	*	595	+ 53	0	− 1	23	0	4·10	103	− 7	4·7	+0·4	37	1016
11. ENGLAND CHANNEL ...	77	43	64·5	52·6	58·3	*	684	− 19	0	0	15	− 9	3·66	92	− 8	6·0	+0·1	48	1017

THE YEAR.—Aggregates, &c., for the Period of 40 Weeks, January 3rd to October 9th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·9	41·1	46·7	*	1862	− 13	515	− 48	169	−15	31·51	799	−140	3·7	+0·1	28	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·6	39·7	46·8	*	2017	− 98	658	+ 30	146	− 7	23·27	592	+ 21	4·3	+0·1	33	1012
2. ENGLAND, N.E.	85	20	56·0	42·5	48·9	*	2368	+ 11	409	− 68	129	− 8	18·12	460	+ 6	4·7	+0·1	36	1013
3. ENGLAND, EAST ...	90	18	57·4	43·6	50·2	*	2687	− 34	384	−140	136	+ 4	20·09	513	+ 76	5·0	0·0	38	1013
4. MIDLAND COUNTIES ...	87	19	57·9	41·8	49·5	*	2574	− 84	459	− 79	120	−11	20·34	518	+ 28	4·6	+0·2	35	1014
5. ENGLAND, S.E.	88	15	58·0	44·3	50·8	*	2807	−115	320	− 62	112	−14	22·22	569	+ 90	5·0	−0·1	39	1014
Western.																			
6. SCOTLAND, WEST ...	78	18	55·5	42·0	48·5	*	2255	− 23	446	+ 18	142	−18	25·70	654	−208	4·7	+0·3	35	1013
7. ENGLAND, N.W.	77	21	56·0	43·4	49·5	*	2434	− 59	346	− 41	127	−19	22·91	583	− 50	4·9	+0·5	37	1013
8. ENGLAND, S.W.	79	17	57·1	44·6	50·5	*	2664	− 97	298	− 3	136	− 8	27·00	686	+ 10	4·9	0·0	38	1014
9. IRELAND, NORTH ...	75	20	55·3	43·2	49·0	*	2325	− 56	352	+ 6	167	− 7	24·55	625	− 82	4·1	+0·1	31	1012
10. IRELAND, SOUTH ...	78	21	57·4	44·8	50·8	*	2738	+ 16	284	+ 24	165	+11	28·52	728	+ 1	4·5	0·0	35	1014
11. ENGLAND CHANNEL ...	81	27	57 8	47·7	52·5	*	3066	− 92	120	+ 11	128	−24	22·51	567	+ 12	5·6	−0·4	43	1015

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., October 14th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 161

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 41. FORTY-FIRST WEEK, SUNDAY, OCTOBER 10TH, TO SATURDAY, OCTOBER 16TH, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The greater part of the week was dry in all districts, and in Ireland and Scotland the conditions were generally bright. In most parts of England, however, the weather was more cloudy, while late in the week there was occasional fog or mist. Temperature exceeded the average very generally, the excess being as much as 5° in Scotland North and England East and about 4° in several other districts. The maxima, which were recorded early in the week, were as high as 68° in England South-East and East and 67° in the Midland Counties, Ireland South and the English Channel. The lowest of the minima were registered late in the week. On the 16th the thermometer fell to 27° in Scotland East, 29° in Scotland West, and to 32° in some other parts of the Kingdom. Rainfall was less than the average in all districts; at a few stations in the east and south-east of England the week was quite rainless; in England East generally the total fall for the period was only 1 mm. Bright sunshine was less than the normal in all the English districts except the north-west, but above it in Ireland and Scotland. In the Midland Counties the deficit was 1·7 hour per day and in England South-East 1·3 hour, while in Scotland North and Ireland South the excess was 1 hour per day. Aurora was observed in several parts of Scotland and at Carrick-on-Suir on the 14th and again on the 15th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Light	Very light	Very light	Very light	Very light	Light	Light	Light	Light	Light	Very light
	Sunshine ...	Abundant	Abundant	Scanty	Moderate	Scanty	Scanty	Moderate	Abundant	Moderate	Moderate	Abundant	Moderate

THE SEASON.

AUTUMN. 7 weeks from Aug. 29th, 1915.	Warmth ...	4, 1, 2	3, 2, 2	4, 1, 2	3, 2, 2	3, 2, 2	3, 0, 4	4, 1, 2	4, 1, 2	3, 2, 2	4, 1, 2	5, 0, 2	4, 1, 2
	Rainfall ...	1, 2, 4	2, 2, 3	1, 2, 4	1, 2, 4	0, 2, 5	2, 1, 4	0, 2, 5	0, 2, 5	0, 2, 5	0, 3, 4	2, 2, 3	2, 1, 4
	Sunshine ...	5, 0, 2	4, 2, 1	2, 3, 2	1, 4, 2	1, 4, 2	1, 3, 3	3, 1, 3	4, 3, 0	2, 3, 2	2, 4, 1	3, 2, 2	1, 5, 1

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, October 16th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	51	50	50·2	−0·5	Cleggan	58	55	56·4	+2·7
Wick*	48	48	48·0	−4·1	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	49	47	48·1	−3·1
Ballantrae	54	52	53·1	+0·5	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	59	57	58·5	+0·4
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	58	58	58·2	+1·3	Eastbourne‡	57	56	56·1	−2·5
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	56	52	54·5	−0·5	Port Erin	56	55	55·0	+0·1

* Two days. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(6349–19.) Wt. 160—610. 450. 10/15 D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.		hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
a, Islands .. *p* Baltasound	31																						Baltasound.
a Lerwick ..	54	58	14th	44	16th	53·9	48·3	51·0	+ 4·4	5	0·33	9	—	3·9	+ 1·1	37	•	•	•	•	•	•	Deerness.
a Stornoway	51	58	10, 13	40	16th	57·1	48·4	52·6	+ 5·5	6	0·84	21	- 11	3·5	+ 0·6	33	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	37	58	13th	47	16th	56·1	50·9	53·4	+ 4·3	4	0·56	14	—	3·8	—	36	•	•	•	•	•	•	Castlebay.
b, Mainland. *a* Wick	81	58	14th	47	13th	55·3	48·0	51·5	+ 3·9	3	0·14	4	- 14	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	60	13th	37	16th	56·7	43·9	50·1	+ 3·3	4	0·45	11	- 5	3·4	+ 0·3	32	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500	62	13th	39	16th	58·9	46·1	52·3	+ 6·4	4	1·30	33	- 20	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	61	14, 16	32	16th	59·6	46·7	53·0	+ 5·4	4	1·01	26	+ 2	3·3	+ 1·2	31	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	61	13th	35	16th	58·9	47·7	53·1	+ 4·3	4	1·96	50	+ 5	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
p Gordon Castle	101	65	13th	39	15, 16	61·1	44·6	52·6	+ 4·2	2	0·08	2	- 17	4·2	—	39	3	23	50·2	- 0·6	51·0	- 1·2	Crathes.
a Nairn	82	60	13th	33	16th	57·1	43·7	50·2	+ 2·7	3	0·21	5	- 8	*4·5*	—	*42*	•	•	•	•	•	•	*Gordon Castle.*
a Aberdeen	46	62	14th	36	16th	57·2	45·9	51·7	+ 3·4	3	0·19	5	- 12	4·5	—	42	•	•	•	•	•	•	Nairn.
a Balmoral	930	63	15, 16	28	16th	61·1	38·6	49·5	+ 5·0	3	0·19	5	- 12	3·9	+ 0·5	36	•	•	•	•	50·2	- 0·9	Aberdeen.
p Crieff	432	61	14th	34	16th	57·7	43·1	50·2	+ 2·0	4	0·89	23	+ 2	•	•	•	3	24	•	•	•	•	Balmoral.
										3	0·30	8	- 13	3·0	—	28							Balruddery.
a Leith	18	63	13th	39	15, 16	59·0	45·4	52·0	+ 2·2	3	0·28	7	- 5	•	•	•	•	•	•	•	•	•	
a West Linton	769	60	15th	27	16th	57·0	40·4	48·5	+ 3·0	2	0·55	14	—	*3·9*	—	*36*	2	24	•	•	•	•	*West Linton.*
p Marchmont	498	62	15th	38	16th	57·1	43·4	50·1	+ 2·7	1	0·13	3	- 17	3·4	+ 0·4	32	0	34	•	•	•	•	Marchmont.
a Edinburgh	441	61	14th	41	16th	57·1	46·7	51·8	—	3	0·35	9	—	3·2	—	30	0	33	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	60	16th	36	16th	58·0	46·1	51·9	+ 3·0	4	0·57	14	- 15	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	59	13th	37	16th	57·3	46·9	52·0	+ 3·8	3	0·31	8	- 12	2·8	+ 0·3	26	1	28	•	•	•	•	Glasgow.
p Rothesay	170	60	14th	40	16th	56·7	47·3	51·9	+ 2·7	5	0·89	23	- 2	*4·4*	—	*41*	0	32	50·6‖	•	52·0	- 0·2	*Rothesay.*
a Kilmarnock	90	64	16th	29	16th	60·3	45·0	52·4	+ 3·8	5	0·61	15	—	*4·4*	—	*40*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	64	15, 16	32	16th	61·7	45·7	53·5	+ 4·4	3	0·53	13	- 12	•	•	•	1	29	•	•	•	•	
a Dumfries	160	62	14th	36	16th	59·0	45·0	51·8	+ 3·0	4	0·65	17	- 3	*2·6*	—	*24*	0	32	51·2	•	53·0	•	*Dumfries.*
Eskdalemuir	799	58	14th	36	16th	56·6	44·1	50·2	—	3	0·87	22	—	*3·5*	—	*33*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	60	14, 16	36	16th	58·3	43·0	50·4	+ 2·3	3	0·49	12	- 15	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas	277	61	14th	42	16th	58·3	48·1	53·1	+ 3·2	4	0·47	12	- 14	4·5	+ 0·9	41	0	35	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	63	14th	32	16th	57·9	43·1	50·3	+ 2·7	2	0·02	0·4	- 20	1·8	—	17	1	30	49·1	- 1·1	50·4	- 1·0	Cockle Park.
a Tynemouth	71	60	12, 13	42	15, 16	56·7	46·7	51·6	+ 2·4	2	0·08	2	- 15	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	60	12, 14, 15	33	15th	57·3	42·7	49·8	+ 1·2	2	0·21	5	- 12	1·7	- 1·4	16	1	29	•	•	•	•	Durham.
a, North .. *p* Rounton	249	62	12th	36	15th	58·3	44·4	51·1	+ 3·0	4	0·75	19	+ 3	•	•	•	0	31	51·3	•	•	•	Rounton.
a West Witton	605	64	15th	36	15, 16	57·9	43·9	50·7	—	5	0·23	6	—	•	•	•	2	30	49·8	•	50·5	•	*West Witton.*
p Scarborough	100	65	13th	45	15th	59·7	49·4	54·4	+ 4·3	1	0·13	3	- 15	3·0	—	28	•	•	•	•	55·7†	•	Scarborough.
p York	56	64	12th	38	15th	58·9	48·6	52·6	+ 2·8	4	0·25	6	- 9	2·4	- 0·6	22	•	•	53·3	- 0·4	54·2	- 0·3	York.
b, South .. *a* Spurn Head	26	63	12, 14	48	15th	59·3	50·4	54·7	+ 3·6	3	0·17	4	- 9	*3·3*	—	*30*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	66	12th	42	14th	61·4	47·3	54·1	+ 4·5	2	0·03	1	- 13	•	•	•	•	•	53·0	- 0·2	55·0	+0·4	Lincoln.
a Fulbeck	180	66	12th	44	13, 14	60·7	47·3	53·8	+ 4·4	2	0·04	1	- 13	2·9	—	27	0	36	53·4	+0·4	54·1	- 1·0	Rauceby.
														4·2	—	39	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	67	12th	50	15th	60·9	51·7	56·2	+ 5·4	0	0·01	0·3‖	—	3·3	—	30	•	•	•	•	•	•	Cromer.
p Little Massingham	280	64	14th	44	14th	60·6	47·3	53·8	+ 3·7	1	0·15	4	- 13	4·0	+ 0·5	37	0	40	•	•	•	•	Lit. Massingham.
a, North .. *a* Yarmouth	13	65	12th	49	15th	59·7	52·6	56·1	+ 4·9	1	0·04	1	- 16	2·6	—	24	•	•	55·6	- 0·1	56·1	- 0·9	Yarmouth.
a Norwich	93	65	12th	46	15th	60·4	50·3	55·2	+ 3·9	2	0·07	2	—	*3·1*	—	*28*	0	41	53·1	•	•	•	*Norwich.*
a Geldeston	37	68	12th	43	15th	62·6	50·0	56·1	+ 5·5	2	0·04	1	- 15	2·9	- 1·0	27	•	•	•	•	•	•	Geldeston.
b, East .. *p* Cambridge	41	67	12th	43	14th	62·4	47·4	54·7	+ 4·4	1	0·01	0	- 13	3·7	- 0·1	34	0	38	54·0	- 0·5	55·5	- 1·0	Cambridge.
a Clacton-on-Sea	54	65	13th	46	15th	60·6	50·7	55·5	+ 3·7	2	0·02	0·4	—	2·4	—	22	0	42	55·0	- 1·3	56·1	- 0·8	Clacton.
a Rothamsted	424	63	12th	40	14th	59·3	47·0	53·0	+ 3·6	1	0·05	1	- 16	3·7	- 1·1	25	0	36	53·0	•	•	•	Rothamsted.
p Tottenham	51	67	12th	45	15th	60·3	48·7	54·3	+ 3·9	0	0·00	0	—	2·4	—	22	0	42	•	•	57·0	- 0·9	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	62	12th	40	15th	56·9	45·6	51·1	+ 2·8	5	0·39	10	- 8	1·8	—	17	0	34	51·2	- 0·4	52·0	- 0·2	Harrogate.
p Buxton	987	60	13th	37	16th	56·1	44·9	50·3	+ 3·7	3	0·22	6	- 21	*1·7*	—	*16*	0	33	50·4	- 1·8	52·8	+0·1	*Buxton.*
b, East .. *a* Bawtry	65	67	12th	39	15th	61·3	43·9	52·3	+ 3·3	1	0·01	0	- 14	1·3	—	12	0	37	51·8	- 0·9	52·9	- 0·6	Sheffield.
a Nottingham	82	64	12th	40	14th	60·4	46·6	53·3	+ 3·5	2	0·02	1	- 13	2·1	- 0·8	19	0	34	51·9	•	52·7	•	Worksop.
p Birmingham, Edgbsn.	535	62	13th	46	14th	57·7	48·6	53·0	+ 3·8	2	0·08	2	- 13	1·6	—	15	0	38	52·2	- 0·7	53·9	- 1·3	Nottingham.
a Raunds	203	67	12th	41	14th	61·4	45·0	53·0	+ 3·2	1	0·05	1	—	1·3	—	12	0	35	51·6	- 0·1	52·1	- 0·5	Birmingham.
p Oxford	208	63	11, 12	46	14th	60·1	49·9	54·9	+ 4·6	1	0·02	1	- 14	*2·3*	—	*21*	0	33	54·6	•	56·6	•	*Raunds.*
														1·9	- 1·7	17	0	37	•	•	•	•	Oxford.
c, West .. *a* Cheadle	646	59	13th	46	11th	56·3	47·9	52·0	+ 3·8	4	0·10	3	- 15	•	•	•	0	43	•	•	•	•	Cheadle.
p Shrewsbury	191	64	13th	42	16th	60·3	48·7	53·3	+ 3·1	1	0·10	3	—	•	•	•	0	38	•	•	•	•	Shrewsbury.
a Hereford§	291	64	13th	42	16th	57·9	45·4	51·5	+ 1·3	3	0·18	5	- 9	*1·1*	—	*10*	0	37	53·4	•	55·0	•	*Malvern.*§
a Cirencester	446													•	•	•	•	•	•	•	•	•	Cirencester.
a Bath	66	66	13th	41	10th	61·1	46·3	53·5	+ 2·0	3	0·16	4	- 13	1·0	—	9	•	•	54·5	- 2·0	56·2	- 1·7	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	63	13th	39	14th	59·6	46·6	52·9	+ 4·1	2	0·05	1	- 16	3·3	—	30	0	40	54·7	- 1·7	56·3	- 0·9	Worthing.
a Margate	53	68	12th	49	14th	60·0	51·9	55·8	+ 3·1	2	0·06	2	- 12	1·8	- 1·5	17	0	34	54·2	•	54·8	•	Marlborough.
a Wisley, Surrey	150	65	12, 14	40	14th	62·1	46·9	54·3	+ 2·9	1	0·02	1	—	2·3	- 1·5	21	0	45	55·9	+1·3	56·7	+0·6	Margate.
p Salisbury (Wilton)	180	65	13, 14	40	14th	62·1	46·4	54·0	+ 3·6	2	0·04	1	- 18	3·2	—	29	0	33	53·5	- 1·3	54·5	- 1·9	Wisley.
a Tunbridge Wells	354	65	12th	41	15th	60·3	47·6	53·8	+ 3·4	0	0·00	0	- 19	•	•	•	0	40	54·9	•	•	•	Salisbury.
														1·7	- 2·2	16	0	34	54·2	- 0·9	56·0	•	Tunbridge Wells.
a Dungeness	21	63	12th	44	14th	60·1	50·6	55·2	+ 1·9	2	0·28	7	- 10	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	63	12, 14	49	15th	60·1	51·7	55·8	+ 2·9	2	0·07	2	- 19	2·8	- 1·4	25	0	43	55·3	•	56·2	•	Hastings.
p Southampton	64	64	12-14	46	14th	61·7	50·4	55·9	+ 3·5	1	0·01	0·2	- 19	1·0	- 3·0	9	0	37	•	•	•	•	Southampton.
a Ventnor	59	64	14th	49	16th	62·0	52·1	56·9	+ 2·6	2	0·02	1	- 14	3·2	- 1·1	29	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew	18	64	12th	44	14th	60·4	47·8	53·9	+ 3·0	1	0·01	0·3	- 15	1·7	- 1·7	16	0	37	53·2	- 2·3	54·9	- 1·0	Kew.
a Westminster	27	68	12th	42	15th	61·4	49·5	55·3	+ 4·7	0	0·00	0	- 14	*2·3*	- 0·2	*21*	0	42	•	•	•	•	*Westminster.*
a Greenwich	155	68	12th	44	14, 15	61·0	47·3	54·0	+ 2·4	1	0·01	0	- 13	*2·5*	- 1·0	*23*	0	35	•	•	•	•	*Greenwich.*
a Hampstead	450	65	12th	46	14, 15	59·1	48·1	53·4	—	1	0·01	0	—	*3·0*	—	*28*	0	32	•	•	•	•	*Hampstead.*
a Camden Square	110	68	12th	45	15th	62·6	48·7	55·4	—	1	0·02	1	—	*2·1*	—	*19*	0	42	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	62	13th	33	16th	58·6	45·4	51·8	+ 3·0	2	0·54	14	- 9	3·0	—	28	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	63	14, 15	32	15, 16	58·7	41·1	49·6	+ 2·1	2	0·14	4	- 18	4·4	—	40	0	33	51·0	•	52·2	•	Aspatria.
p Stonyhurst	375	61	13th	39	15th	58·1	46·3	52·0	+ 3·6	3	0·35	9	- 18	3·2	+ 0·2	29	2	28	50·8	- 1·7	51·8	- 1·2	Newton Rigg.
p Blackpool	66	62	13, 14	37	15, 16	59·7	45·6	52·4	+ 2·1	5	0·44	11	- 11	2·2	- 0·9	20	0	35	•	•	•	•	Stonyhurst.
a Southport	37	63	13th	38	16th	59·0	46·4	52·5	+ 2·5	4	0·23	6	- 15	3·3	0·0	30	0	31	53·3	•	54·8	•	Blackpool.
a Liverpool (Bidston)	188	62	13th	44	15th	58·1	48·0	52·9	+ 2·0	3	0·35	9	- 10	*2·9*	- 0·2	*27*	0	31	51·2	- 1·9	53·9	- 1·5	*Southport.*
a Hawarden Bridge	23	66	13th	40	15, 16	59·9	46·4	53·0	+ 1·8	4	0·23	6	- 11	*2·0*	—	*18*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	64	13th	36	16th	59·0	47·7	53·2	+ 3·7	2	0·39	10	- 8	*0·7*	—	*6*	0	35	53·7	+0·4	56·2	+0·6	*Manchester (City)*
														0·8	- 1·7	*7*	•	•	•	•	•	•	" (Whit. Park)
b NORTH WALES.																							
p Llandudno	71	64	13th	42	15, 16	59·6	47·9	53·6	+ 2·0	3	0·51	13	- 7	5·1	+ 1·9	47	•	•	•	•	•	•	Llandudno.
a Holyhead	15	64	11th	47	16th	60·7	51·6	56·0	+ 4·2	4	0·28	7	14	*5·5*	—	*50*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	148	64	14th	36	15, 16	59·7	43·7	51·5	+ 0·6	5	0·29	7	—	*4·2*	—	*39*	•	•	51·3	- 0·3	52·0	- 0·9	*Bettws-y-Coed.*
														4·7	—	43	•	•	•	•	•	•	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford ‖ Dew.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Difference from average.	Earth 4 ft. Mean.	Difference from average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														4·8	—	44	*	*	*	*	*	*	Aberystwyth.
a Llangammarch Wells	550	62	10, 12	33	14th	58·5	42·6	50·3	+ 1·9	6	0·34	9	—	2·2	—	20	0	33	51·6	−1·4	52·5	−1·3	Llangammarch.
a Pembroke	149	61	11th	45	15th	58·7	51·0	54·7	+ 2·1	4	0·33	8	− 13	4·7	+ 1·0	43	*	*	*	*	*	*	Pembroke.
p Cardiff	202	64	13th	47	13, 14	58·7	49·4	53·9	+ 3·7	5	0·34	9	− 17	*1·1*	—	*10*	0	40	53·6	−0·8	55·0	−0·9	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	63	13th	46	10th	59·3	49·4	54·2	+ 3·6	3	0·16	4	− 16	*1·3*	—	*12*	0	44	*	*	*	*	*Clifton.*
a Shaftesbury	722	62	13th	46	13th	58·7	48·4	53·4	+ 3·3	2	0·06	2	− 17	*	*	*	*	*	53·9	*	56·0	*	Shaftesbury.
a Arlington	613	64	11th	47	15th	60·1	49·1	54·4	+ 4·6	5	0·39	10	− 26	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*63*	*13th*	*41*	*15, 16*	*59·4*	*48·0*	*53·5*	+ *0·2*	*5*	*0·42*	*11*	− *9*	4·0	+ 0·1	36	0	37	55·3	*	56·4	*	Newquay.
a Cullompton	202	65	11th	44	13, 14	60·1	48·9	54·3	+ 3·7	6	0·33	8	− 12	0·8	- 2·6	7	0	39	54·2	*	*	*	Cullompton.
a Portland Bill	19	63	14th	53	10, 15	60·9	54·0	57·4	+ 3·8	2	0·05	1	—	2·7	—	25	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	64	11th	46	13th	60·6	51·4	55·9	+ 3·3	6	0·50	13	− 7	1·9	- 1·8	17	*	*	55·1	−1·0	56·1	*	Plymouth.
a Falmouth	167	62	11–13, 15	48	15, 16	60·6	50·7	55·5	+ 2·6	6	0·65	16	− 10	3·5	- 0·4	32	0	43	57·9	*	58·6	*	Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	59	13, 14, 16	47	15, 16	57·7	48·7	53·1	+ 2·9	2	0·13	3	− 15	*3·6*	—	*33*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	59	14th	47	16th	57·3	48·9	53·0	+ 1·8	6	1·06	27	− 1	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	61	11, 13-15	38	16th	60·0	45·1	52·3	+ 3·7	3	0·34	9	− 14	3·0	0·0	28	0	31	54·1	*	54·6	*	Markree Castle.
a Birr Castle	175	62	11th	34	16th	59·7	43·6	51·4	+ 2·7	3	0·60	15	− 1	*4·7*	+ *1·3*	*43*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	60	11–15	33	16th	58·3	45·3	51·6	+ 2·8	3	0·32	8	− 7	3·3	+ 0·2	30	1	28	52·5	−0·9	53·9	−0·7	Armagh.
a Donaghadee	101	62	14th	45	16th	58·3	49·1	53·6	+ 3·4	3	0·15	4	− 12	*	*	*	*	*	*	*	*	*	*
														*	*	*	0	33	54·0	−0·1	54·1	−0·9	Trinity Coll.
10. IRELAND, S.														5·3	+ 1·6	49	0	35	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	63	13th	41	16th	59·0	49·0	53·9	+ 3·0	3	0·18	5	− 9	*	*	*	0	37	*	*	*	*	Dublin City.
a Kilkenny	212	63	14th	37	16th	60·6	44·6	52·4	+ 2·6	4	0·59	15	− 2	*	*	*	*	*	*	*	*	*	*
a Waterford	20	67	13th	42	16th	61·0	47·3	54·0	+ 3·5	3	0·52	13	− 8	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*61*	*14th*	*44*	*16th*	*58·1*	*47·6*	*52·7*	—	*3*	*0·56*	*14*	—	*4·6*	—	*42*	0	33	*	*	*	*	*Seskin.*
b, West .. { *a* Birr Castle	175	62	11th	34	16th	59·7	43·6	51·4	+ 2·8	3	0·60	15	− 1	4·7	+ 1·3	43	*	*	*	*	*	*	Birr Castle.
a Foynes	50	63	13, 14	35	16th	59·0	46·4	52·5	+ 1·7	2	0·15	4	− 17	*	*	*	*	*	*	*	*	*	*
a Cahir	199	64	14th	34	16th	59·4	43·3	51·1	+ 0·4	4	0·39	10	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	67	15th	37	16th	63·7	46·7	55·0	+ 4·2	4	0·20	5	− 25	*	*	*	*	*	*	*	*	*	*
a Valencia	30	64	11th	41	16th	60·6	48·9	54·6	+ 1·9	4	0·44	11	− 18	4·3	+ 0·8	39	*	*	*	*	*	*	Valencia.
a Roche's Point	32	61	12, 14	42	10th	59·6	47·9	53·6	+ 1·5	7	0·42	11	− 11	3·5	—	32	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	61	11, 13, 14	49	16th	59·6	52·3	55·8	+ 1·1	5	0·25	6	− 13	5·2	+ 1·0	47	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	66	14, 15	45	14, 15	63·6	48·0	55·6	+ 0·1	2	0·02	1	− 23	4·4	- 0·1	40	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	67	14th	47	14th	63·3	50·4	56·7	+ 1·7	3	0·13	3	− 21	3·1	- 1·1	28	0	41	56·7	−1·3	58·8	−0·6	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, October 16th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	‡15**	—	—	—	—	33	100	24	11	SE. by E.	8 11th 18h.	17 12th 6 . 3
Aberdeen*	105	37 ‖ 52	—	—	—	—	56	91	21	0	SSE.	10 11th 22h.	17 11th 19 . 57
Edinburgh	39	31	—	—	—	—	22	113	33	0	S.	10 13th 13h.	16 11th 13 . 48
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	12th	1	39	86	42	0	S.	11 12th 8h.	16 12th 8 . 12
Paisley (Coats Obs.)	81	52	—	—	—	—	24	86	58	0	SW. by S.	8 13th 22h.	17 13th 16 . 59
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	10	59	61	38	SSE.	8 11th 13h.	14 11th 13 . 3
South Shields ..	61	12	—	—	11th	2	25	102	39	0	SE. by S.	12 11th 12h.	15 11th 12 . 10
Spurn Head	40	†	—	—	—	—	57	86	25	0	—	11 11th 6h.	14 11th 7 . 32
3. ENGLAND, E.													
Gorleston	42	‡	—	—	—	—	55	112	1	0	—	11 10th 19h.	13 10th 18 . 16
Shoeburyness ..	90	‡	—	—	—	—	37	89	41	1	—	10 10th 23h.	12 10th 22 . 30
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	—	—	23	80	65	0	E.	9 10th 21h.	15 12th 13 . 2
5. ENGLAND, S.E.													
Dover	40	‡	—	—	—	—	21	90	57	0	—	8 10th 20h.	12 10th 20 . 35
Warlingham ..	33	‡	No Record—instrument under repair.										
Brighton	53	6	—	—	—	—	30	68	0	70	—	9 10th 16h.	15 10th 15 . 32
Kew†	65	6 ‖ 22	—	—	—	—	14	58	96	0	E.	8 10th 15h.	12 12th 12 . 52
South Kensington ..	92	30	—	—	—	—	6	61	101	0	E. by N.	7 10th 15h.	13 10th 15 . 55
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	—	33	135	0	S.	4 12th 10h.	9 11th 7 . 10
Southport	62	48	—	—	—	—	28	124	16	0	SSE.	8 12th 10h.	14 12th 10 . 10
Holyhead*	40	†	—	—	—	—	74	82	12	0	S.	11 13th 17h.	16 13th 16 . 10
8. ENGLAND, S.W.													
Pendennis Castle§ ..	65	24	—	—	10 to 12	25	71	50	2	20	ESE.	15 10th 12h.	19 10th 11 . 47
Plymouth††	86	21	—	—	—	—	15	47	106	0	—	8 12th 5h.	12 10th 11 . 17
10. IRELAND, S.													
Quilty	40	‡	—	—	10, 13	6	91	61	10	0	—	14 13th 14 .	21 13th 14 . 3
Weaver Pt.	30	‡	—	—	10th	8	58	96	6	0	—	13 10th 6h.	17 10th 6 . 32
11. ENGLISH CHANNEL.													
Scilly*	32 ‖ 19	‡	—	—	10th	4	36	67	61	0	ESE.	11 10th 14h.	17 10th 10 . 10

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof. †† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTY-FIRST WEEK—October 10th to October 16th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	62	32	57·2	47·0	51·9	+ 5·2	69	+ 29	0	− 6	4	− 1	0·86	22	− 10	3·5	+1·0	33	1012
Eastern.																			
1. SCOTLAND, EAST ...	65	27	58·5	43·1	50·6	+ 3·7	60	+ 17	0	− 7	3	− 1	0·33	8	− 11	3·7	+0·7	35	1014
2. ENGLAND, N.E.	66	32	58·9	46·4	52·5	+ 3·7	74	+ 24	0	− 3	2	− 2	0·19	5	− 12	2·7	−0·7	24	1016
3. ENGLAND, EAST ...	68	40	60·8	49·5	55·0	+ 5·2	91	+ 32	0	− 4	1	− 3	0·04	1	− 15	3·0	−0·6	28	1016
4. MIDLAND COUNTIES ...	67	39	59·3	46·6	52·8	+ 1·2	76	+ 23	0	− 5	2	− 2	0·11	3	− 14	1·6	−1·7	14	1016
5. ENGLAND, S.E.	68	39	60·8	49·2	54·9	+ 3·8	90	+ 23	0	− 3	2	− 2	0·06	2	− 16	2·3	−1·3	21	1016
Western.																			
6. SCOTLAND, WEST ...	64	29	58·7	45·9	52·1	+ 3·8	71	+ 22	0	− 4	4	0	0·57	14	− 14	3·7	+0·8	33	1015
7. ENGLAND, N.W.	64	32	59·1	46·7	52·7	+ 3·1	75	+ 20	0	− 1	3	− 2	0·37	10	− 14	3·7	+0·8	34	1015
8. ENGLAND, S.W.	65	33	59·6	49·5	54·4	+ 3·5	87	+ 23	0	− 2	5	+ 1	0·32	8	− 18	3·1	−0·4	29	1015
9. IRELAND, NORTH ...	62	33	58·6	46·8	52·5	+ 3·8	74	+ 24	0	− 2	3	− 2	0·43	11	− 11	3·2	+0·3	29	1011
10. IRELAND, SOUTH ...	67	34	60·3	46·4	53·2	+ 3·1	78	+ 19	0	− 2	4	0	0·39	10	− 12	4·5	+1·0	41	1013
11. ENGLISH CHANNEL ...	67	45	62·2	50·2	56·0	+ 1·7	98	+ 12	0	0	3	− 2	0·13	3	− 19	4·2	0·0	39	1014

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 7 Weeks, August 29th to October 16th, 1915.

0. SCOTLAND, NORTH ...	76	29	57·3	45·3	51·0	*	461	+ 18	12	0	24	−10	4·36	110	− 92	4·0	+0·8	32	1015
Eastern.																			
1. SCOTLAND, EAST ...	77	22	59·5	42·9	50·9	*	475	− 3	28	+ 13	20	− 9	4·34	110	− 1	4·6	+0·8	38	1016
2. ENGLAND, N.E.	76	27	60·8	46·5	53·3	*	565	+ 5	6	+ 1	15	−10	2·00	52	− 40	4·6	+0·4	38	1017
3. ENGLAND, EAST ...	80	30	62·4	48·3	55·1	*	644	+ 9	3	− 4	17	− 7	2·10	53	− 38	4·9	+0·2	40	1017
4. MIDLAND COUNTIES ...	80	30	62·3	45·5	53·6	*	580	− 2	8	− 2	13	−11	1·59	41	− 56	4·2	0·0	34	1017
5. ENGLAND, S.E.	78	27	63·2	48·3	55·4	*	660	− 33	2	− 2	15	− 9	3·17	82	− 24	5·0	+0·2	40	1017
Western.																			
6. SCOTLAND, WEST ...	73	24	59·9	45·7	52·5	*	532	+ 14	12	+ 5	20	− 9	2·76	69	−115	4·2	+0·3	34	1017
7. ENGLAND, N.W.	76	27	61·4	47·4	54·0	*	592	+ 6	2	0	17	−11	1·96	50	− 91	4·9	+0·9	40	1016
8. ENGLAND, S.W.	78	27	62·1	48·6	55·1	*	641	− 5	0	− 2	23	− 4	2·92	74	− 73	4·8	+0·3	39	1017
9. IRELAND, NORTH ...	73	31	60·6	48·0	54·0	*	592	+ 52	0	− 3	26	− 6	3·57	90	− 54	4·0	+0·4	32	1014
10. IRELAND, SOUTH ...	77	33	62·6	49·4	55·7	*	673	+ 72	0	− 3	27	0	4·49	113	− 19	4·6	+0·4	38	1016
11. ENGLISH CHANNEL ...	77	43	64·2	52·2	57·9	*	782	− 7	0	0	18	−11	3·79	95	− 27	5·8	+0·2	47	1016

THE YEAR.—Aggregates, &c., for the Period of 41 Weeks, January 3rd to October 16th, 1915.

0. SCOTLAND, NORTH ...	80	12	53·0	41·2	46·9	*	1931	+ 16	515	− 54	173	−16	32·37	821	−150	3·7	+0·2	28	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·7	39·8	46·9	*	2077	− 81	658	+ 23	149	− 8	23·60	600	+ 10	4·3	+0·1	33	1012
2. ENGLAND, N.E.	85	20	56·1	42·5	49·0	*	2442	+ 35	409	− 71	131	−10	18·31	465	− 6	4·7	+0·1	36	1013
3. ENGLAND, EAST ...	90	18	57·5	43·7	50·3	*	2778	− 2	384	−144	137	+ 1	20·13	514	+ 61	4·9	0·0	38	1013
4. MIDLAND COUNTIES ...	87	19	58·0	41·9	49·6	*	2650	− 61	459	− 84	122	−13	20·45	521	+ 14	4·5	+0·1	35	1014
5. ENGLAND, S.E.	88	15	58·1	44·4	50·9	*	2897	− 92	320	− 65	114	−16	22·28	571	+ 74	5·0	0·0	38	1014
Western.																			
6. SCOTLAND, WEST ...	78	18	55·6	42·1	48·6	*	2326	− 1	446	+ 14	146	−18	26·27	668	−222	4·6	+0·3	35	1013
7. ENGLAND, N.W.	77	21	56·1	43·5	49·5	*	2509	− 39	346	− 42	130	−21	23·28	593	− 64	4·9	+0·5	37	1013
8. ENGLAND, S.W.	79	17	57·1	44·8	50·6	*	2751	− 74	298	− 5	141	− 7	27·32	694	− 8	4·9	0·0	37	1014
9. IRELAND, NORTH ...	75	20	55·4	43·3	49·1	*	2399	− 32	352	+ 4	170	− 9	24·98	636	− 93	4·1	+0·1	31	1012
10. IRELAND, SOUTH ...	78	21	57·4	44·8	50·9	*	2816	+ 35	284	+ 22	169	+11	28·91	738	− 11	4·5	0·0	35	1014
11. ENGLISH CHANNEL ...	81	27	57·9	47·7	52·6	*	3164	− 80	120	+ 11	131	−26	22·64	570	− 7	5·6	−0·4	43	1015

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., October 21st, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 42. FORTY-SECOND WEEK, SUNDAY, OCTOBER 17TH, TO SATURDAY, OCTOBER 23RD, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The weather generally was of a very variable character, the sky frequently being cloudy to overcast, while there was a great deal of mist, and at times fog. Temperature was above the average in most districts, the excess amounting to 2° over Ireland. On various days the thermometer rose to 60° and upwards in several localities, touching 64° at Killarney, and 65° at Waterford on the 17th. There were, however, a number of maxima below 50°, as low as 46° or 47° at some of the inland stations on the 21st and 22nd. As a rule the nights were mild, many of the minimum temperatures exceeding 50°, some 53°, and on the morning of the 17th Felixstowe registered 54°. Frost in the shade was of uncommon occurrence, and nowhere severe, 28° at Balmoral on the 17th, and 27° at Raunds on the 21st being the lowest temperatures reported. Owing to the prevalence of cloud the temperature of nocturnal radiation dropped as low as 25° at only a few stations, to 24° at Birmingham and Marlborough, and 22° at Raunds. In most districts the rainfall totals were well below the average. On the 20th Roche's Point had 26 mm., and Valencia 42 mm.; and on the 23rd there were a number of heavy falls, the largest being 41 mm. at Plymouth, 47 mm. at Crieff, and 55 mm. at Douglas. Bright sunshine was very deficient in most districts, but Scotland North had an excess. Thunderstorms occurred in Sussex and the Isle of Wight on the evening of the 21st. A number of observers reported solar or lunar halos.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Light	Heavy	Very light	Light	Moderate	Moderate	Moderate	Light	Heavy	Moderate	Heavy	Moderate
	Sunshine ...	Abundant	Scanty	Scanty	Scanty	Very scanty	Scanty	Very scanty	Scanty	Moderate	Scanty	Scanty	Scanty

THE SEASON.

AUTUMN. 8 weeks from Aug. 29th, 1915.	Warmth ...	4, 2, 2	3, 3, 2	4, 2, 2	3, 3, 2	3, 3, 2	3, 1, 4	4, 2, 2	4, 2, 2	3, 3, 2	5, 1, 2	6, 0, 2	4, 2, 2
	Rainfall ...	1, 2, 5	3, 2, 3	1, 2, 5	1, 2, 5	0, 3, 5	2, 2, 4	0, 3, 5	0, 2, 6	1, 2, 5	0, 4, 4	3, 2, 3	2, 2, 4
	Sunshine ...	6, 0, 2	4, 2, 2	2, 3, 3	1, 4, 3	1, 4, 3	1, 3, 4	3, 1, 4	4, 3, 1	2, 4, 2	2, 4, 2	3, 2, 3	1, 5, 2

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, October 23rd. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	50	49	49·5	−0·8	IRELAND, S.W. Cleggan	57	55	55·3	+2·9
Wick*	48	48	48·0	−3·8	ENGLAND, N.E. Burnmouth, Berwick	49	47	48·2	−2·3
SCOTLAND, W. Ballantrae	54	51	52·6	+0·9	ENGLAND, E. Shipwash Lightship	59	56	57·4	+0·2
ENGLAND, S.W. Scilly	—	—	—	—	ENGLAND, S.E. Eastbourne‡	58	54	56·0	−1·3
Plymouth‡	58	58	57·8	+1·4	ENGLAND, N.W. Port Erin	55	54	54·2	0·0
IRELAND, N.W. Sheephaven	55	52	53·4	−0·5					

* Four days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(6402–19.) Wt. 160—610. 450. 10/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
		°		°		°	°	°	°		in.	mm.	mm.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.	Ft.																					
p Baltasound	*31*																					*Baltasound.*
a Lerwick	54	51	17–19	41	19th	49·7	44·1	46·8	+ 1·1	7	0·55	14	—	3·3	+ 0·7	33						Deerness.
a Stornoway	51	55	18th	36	19th	53·3	43·6	48·3	+ 2·4	3	0·43	11	- 22	3·1	+ 0·4	31						Stornoway.
a Castlebay, Barra Isd.	*37*	*54*	*17, 18*	*45*	*19, 20*	*52·9*	*48·0*	*50·4*	*+ 2·4*	*3*	*0·67*	*17*	—	*3·0*	—	*30*						*Castlebay.*
a Wick	52	17–19, 22	37	17th	51·7	42·9	47·2	+ 0·9	6	0·55	14	- 5										
p Strathpeffer	200	55	17th	34	19th	51·3	37·4	44·1	- 1·2	3	1·00	25	+ 8	2·8	- 0·1	28						Strathpeffer.
p Glencarron	500	55	17th	36	17th	52·4	39·4	45·7	+ 1·1	3	0·52	13	- 41									
p Fort Augustus	68	57	17, 20	32	19th	54·0	42·0	47·8	+ 2·0	4	0·28	7	- 17	3·5	+ 1·5	35						Fort Augustus.
p Fort William	171	56	17th	34	19th	53·3	42·1	47·5	+ 0·4	2	0·49	12	- 32									
1. SCOTLAND, E.																						
p Gordon Castle	101	60	17th	33	19th	53·9	38·0	45·7	- 1·2	7	0·66	17	- 3	0·6	—	6	1	28	48·1	-1·4	50·2	-1·2	Crathes.
a Nairn	82	57	17th	32	20th	52·7	35·0	43·6	- 2·6	3	0·56	14	0	*3·1*	—	*31*						*Gordon Castle.*
a Aberdeen	46	55	17th	36	17th	52·6	44·3	48·3	+ 1·4	5	0·76	19	+ 2	4·0	—	40						Nairn.
a Balmoral	930	61	17th	28	17th	58·3	35·4	46·5	+ 3·7	7	1·28	33	+ 11	0·8	- 2·4	8						Aberdeen.
p Crieff	432	53	20th	31	19th	49·7	39·7	44·6	- 2·2	5	2·24	57	+ 35	0·4	—	4						Balmoral.
a Leith	18	55	20th	34	22nd	52·4	39·6	45·8	+ 2·4	4	1·06	27	+ 15				3	25				Balruddery.
a West Linton	769	57	18th	30	17th	50·7	35·3	42·8	- 2·8	4	0·83	21	—	*2·6*	—	*25*						
p Marchmont	498	57	17th	33	22nd	50·9	41·4	46·0	+ 0·4	6	1·28	33	+ 12	1·2	- 1·6	12	3	25				*West Linton.*
a Edinburgh	*441*	*55*	*17th*	*37*	*17, 22*	*51·0*	*41·7*	*46·2*	—	*4*	*0·95*	*24*	—	2·2	—	22	0	31				Marchmont.
6. *a* SCOTLAND, W.																	2	29				Edinburgh.
a Poltalloch	132	55	18th	38	19th	52·0	42·3	47·0	- 0·6	3	0·63	16	- 13									
p Glasgow Observatory	180	53	17, 20	39	22nd	51·6	43·6	47·5	+ 0·9	4	1·33	54	+ 14	1·0	- 1·3	10	1	30				
p Rothesay	170	55	17th	40	17th	51·4	43·4	47·3	- 0·3	5	0·89	23	- 2	*1·7*	—	*17*	0	34	48·1		51·4	-0·1	Glasgow.
a Kilmarnock	90	57	17th	35	17, 22	54·0	40·7	47·2	+ 0·2	4	0·78	20	—	*2·1*	—	*20*						*Rothesay.*
a Colmonell	170	59	18th	36	17th	55·3	42·1	48·5	+ 1·1	4	0·37	25	- 1				0	31				*Kilmarnock.*
a Dumfries	160	57	17th	34	22nd	53·7	41·9	47·6	+ 0·6	4	1·52	39	+ 18	*2·0*	—	*19*	2	28	49·3		52·6		
Eskdalemuir	*799*	*54*	*17th*	*33*	*22nd*	*50·7*	*38·1*	*44·2*	—	*5*	*0·96*	*25*	—	*2·1*	—	*20*						*Dumfries.*
p Cally, Gatehouse	120	56	17, 18	39	17th	53·7	42·3	47·8	+ 0·9	3	1·56	40	+ 12									*Eskdalemuir.*
b. I. OF MAN. *p* Douglas	277	56	17, 18	47	21st	53·7	48·7	51·1	+ 3·0	4	2·34	59	+ 33	1·1	- 2·1	11	0	40				
2. ENGLAND, N.E.																						Douglas.
a Alnwick Castle	210	56	18th	33	22nd	53·1	40·6	46·7	- 0·5	6	0·50	13	- 8	0·7	—	7	1	29	47·6	-0·8	50·2	-0·4	Cockle Park.
a Tynemouth	71	54	17, 18	38	22, 23	52 3	42·3	47·2	- 0·7	5	0·28	7	- 11									*Tynemouth.*
p Durham	336	56	17, 18	32	22nd	51·9	40·1	45·8	- 1·2	5	0·46	12	- 7	0·6	- 2·3	6	1	30				Durham.
a, North *p* Rounton	249	57	17th	32	22nd	53·4	39·6	46·3	- 0·5	2	0·11	3	- 15				2	29	49·6			Rounton.
a West Witton	*605*	*57*	*18th*	*32*	*22nd*	*50·7*	*39 7*	*45·0*	—	*5*	*0·21*	*5*	—				1	30	48·1		50·1	*West Witton.*
p Scarborough	100	58	17th	43	22, 23	53·9	45·9	49·8	+ 1·2	3	0·28	7	- 12	1·3	—	13					55·1	Scarborough.
p York	56	57	17th	33	22nd	53·7	41·6	47·5	- 0·7	2	0·02	1	- 14	0·6	- 2·1	6			51·5	-0·9	53·8	+0·1	York.
a Spurn Head	26	57	17th	43	22nd	54·1	47·1	50·5	+ 0 6	2	0·20	5	- 9	*1·4*	—	*13*						
b, South *a* Lincoln	58	58	17th	36	21st	54·1	42·7	48·2	0,0	1	0·07	2	- 13						51·0	-0·7	54·8	+0·9	*Spurn Head.*
a Fulbeck	180	57	17th	30	21st	53·6	40·6	46·9	- 0·9	2	0·06	2	- 13	1·7	—	16	2	29	51·5	-0·1	54·1	-0·2	Lincoln.
3. ENGLAND, E.														2·7	—	26						Rauceby.
p Cromer	196	58	17, 22	44	22nd	55·6	47·3	51·3	+ 3·0	2	0·27	7	—	2·7	—	26						Skegness.
p Little Massingham	280	58	17th	38	20–23	54·6	40·5	47·2	- 1·2	2	0·08	2	- 16	2·2	- 0·9	21	0	32				Cromer.
a, North *a* Yarmouth	13	61	17th	44	22nd	56·0	47·9	51·8	+ 2·1	2	0·43	11	- 7	3·3	—	32			54·4	+0·3	56·0	-0·2	Lit. Massingham.
a Norwich	93	58	17th	37	21st	54·6	42·3	48·3	- 0·3	2	0·19	5	—	*2 9*	—	*28*	1	30	50·8				Yarmouth.
a Geldeston	37	58	17th	36	21, 22	55·7	42·9	49·1	- 0·3	4	0·52	13	- 4	3·1	- 0·4	30						*Norwich.*
p Cambridge	41	58	18th	31	21st	55·7	38·6	46·9	- 1·7	3	0·11	3	- 10	1·6	- 1·8	15	1	27	52·5	-0·6	55·3	-0·4	Geldeston.
b, South *a* Clacton-on-Sea	54	59	17th	45	18th	55·7	47 7	51·6	+ 1·3	5	0 45	11	—	2·5	—	24	0	39	53·7	-1·7	56·1	-0·1	Cambridge.
a Rothamsted	424	58	17th	35	21st	53·3	42·0	47·5	- 0·7	2	0·46	12	- 5	1·3	- 2·2	12	2	26	51·4			Clacton.
p Tottenham	51	58	17, 18	39	21st	55·6	44·7	50·0	+ 1·4	2	0·29	7	—	1·0	—	10	0	33			56·4	-0·9	Rothamsted.
4. MIDLAND COUNTIES.																						Tottenham.
a North *a* Harrogate	479	54	18th	33	22nd	50·3	40·6	45·3	- 1·5	5	0·16	4	- 15	0·8	—	8	0	31	49·0	-1·5	51·2	-0·2	Harrogate.
p Buxton	*987*	*57*	*17th*	*32*	*21st*	*51·6*	*39·9*	*45·3*	*+ 0·5*	*2*	*0·42*	*11*	*- 19*	*1·2*	—	*12*	2	30	48·4	-2·6	52·3	+0·1	*Buxton.*
a Bawtry	65	57	17th	34	21st	53·3	42·0	47·5	+ 0·2	1	0·10	3	- 11	0·4	—	4	0	32	49·7	-1·4	52·5	-0·4	Sheffield.
a Nottingham	82	57	17th	31	21, 22	53·4	39·6	46·3	- 1·7	2	0·28	7	- 7	0·5	- 2·2	5	2	28	50·8		52·5		Worksop.
b, East *p* Birmingham, Edgbsn.	535	55	17th	37	21st	51·7	43·3	47·4	- 0·3	3	0·54	14	- 1	0·7	—	7	1	29	48·6	-2·7	53·6	-0·7	Nottingham.
a Raunds	203	59	17th	27	21st	55·6	38·6	46·9	- 1·2	1	0·18	5	—	0·4	—	4	2	24	49·4	-1·0	52·1	-0·1	Birmingham.
p Oxford	208	57	17th	31	21st	53·6	42·3	47·8	- 0·6	2	0·42	11	- 4	*1·3*	—	*12*	2	22	53·9		55·8		*Raunds.*
a Cheadle	646	55	18th	34	21st	51·1	41·7	46·3	- 0·1	1	0·75	19	+ 1	1 2	- 2·1	12	1	26					Oxford.
p Shrewsbury	191	57	17th	34	21st	52·6	38·9	45·6	- 2·4	2	0 92	23	—				0	33					Cheadle.
c, West *a* Hereford§	291	56	17th	33	21st	50·6	39·7	45·0	- 3·4	4	0·96	24	+ 9	*1·2*	—	*12*	0	30					Shrewsbury.
a Cirencester	446																1	28	50·8		54·7		*Malvern.*§
a Bath	66	58	17th	36	21st	55·1	41·4	48·1	- 1·5	2	0·91	23	+ 6	1·4	—	13							Cirencester.
5. ENGLAND, S.E.																						Bath.
a Marlborough	424	57	22nd	30	21st	54·1	38·9	46·3	- 0·8	2	0·93	24	+ 5	2·6	—	25	0	33	52·8	-2·4	56·0	-1·0	Worthing.
a Margate	53	58	17th	45	21st	55·0	48·1	51·5	+ 0·5	3	0·17	4	- 12	0·3	- 2·8	3	1	24	52·2		54·5		Marlborough.
a Wisley, Surrey	150	60	22nd	30	21st	56·0	41·1	48·3	- 1·5	3	0·80	15	—	2·0	- 1·5	19	0	39	53·7	+0·5	56·7	+1·2	Margate.
p Salisbury (Wilton)	180	60	18, 22	31	21st	56·9	40·9	48·7	+ 0·2	3	1·46	37	+ 17	1·7	—	16	3	26	51·8	-1·5	54·2	-1·4	Wisley.
a Tunbridge Wells	354	59	17th	33	21st	55·7	42·7	49·0	+ 0·3	3	0·36	9	- 11	1·3	- 2·2	12	1	30	53·6				Salisbury.
a Dungeness	21	58	17th	45	21st	56·0	47·9	51·8	- 0·1	3	0·35	9	- 9				1	27	52·4	-1·4	55·5		Tunbridge Wells.
p Hastings	178	59	17th	43	20, 21	56·0	47·3	51·5	+ 0·4	4	0·08	2	- 19	1·7	- 2·2	16	0	36	53·0		55·9		Littlestone.
p Southampton	64	60	22nd	38	21, 22	57·1	44·1	50·4	- 0·4	3	0·89	23	+ 3	2·8	- 0·8	27	1	29					Hastings.
a Ventnor	59	61	22nd	45	19th	57·9	48 7	53·2	+ 0·7	3	0·74	19	+ 5	4·0	+ 0·1	38							Southampton.
LONDON. *p* Kew	18	59	22nd	35	21st	55·8	43·3	49·4	+ 0·4	2	0·62	16	+ 1	1·0	- 2·0	10	1	27	50·7	-3·3	54·1	-1·2	Ventnor.
a Westminster	*27*	*59*	*18th*	*41*	*21, 22*	*56·7*	*46 0*	*51·2*	*+ 2·4*	*2*	*0·45*	*11*	*- 4*	*1·2*	*- 1·0*	*12*	0	36					Kew.
a Greenwich	*155*	*59*	*17, 18, 22*	*36*	*21st*	*57·1*	*43·4*	*50·1*	*+ 0·8*	*2*	*0·37*	*9*	*- 5*	*1·7*	*- 1·3*	*16*	2	27					*Westminster.*
a Hampstead	*450*	*56*	*17, 18, 22*	*39*	*21st*	*53·8*	*43·2*	*48·3*	—	*1*	*0·39*	*10*	—	*1·2*	—	*12*	4	25					*Greenwich.*
a Camden Square	*110*	*60*	*18, 19*	*37*	*21st*	*57·1*	*43·6*	*50·2*	—	*2*	*0·41*	*10*	—	*1·0*	—	*10*	0	33					*Hampstead.*
7. *a*, ENGLAND, N.W.																						*Camden Square.*
p Aspatria	250	58	17th	34	22nd	55·1	40·1	47·4	+ 0·3	2	0·89	23	0	1·6	—	15						
p Newton Rigg	559	59	17th	33	22nd	53·6	39·1	46·1	+ 0·3	2	0·12	3	- 19	3·0	—	29	0	32	48·9		51·9		Hoylake.
p Stonyhurst	375	56	17, 18	40	18, 20–22	52·6	42 7	47·5	+ 0·6	3	0 22	6	- 21	2·7	0·0	26	3	26	49·6	-1·4	51·3	-0·9	Aspatria.
p Blackpool	66	59	17th	38	20, 21	54·1	41·4	47·6	- 1·1	2	0·41	10	- 12	0·8	- 2·0	8	0	34					Newton Rigg.
a Southport	*37*	*59*	*17th*	*36*	*21st*	*54·0*	*40·6*	*47·1*	*- 1·3*	*3*	*0·49*	*12*	*- 9*	1·0	- 2·0	10	0	32	50·9		54·2		Stonyhurst.
a Liverpool (Bidston)	188	57	17th	40	21, 23	53·1	42 3	47·5	- 2·0	1	0·43	11	- 9	*0·9*	—	*9*	1	29	47·1	-4·0	52·5	-1·6	Blackpool.
a Hawarden Bridge	*22*	*58*	*17th*	*32*	*17th*	*53·9*	*39·4*	*46·4*	*- 3·2*	*2*	*0·83*	*21*	*+ 3*	*1·6*	—	*15*						*Southport.*
p Manchester (Whit. Pk.)	125	59	17th	39	21, 22	55·0	43·4	49·0	+ 1·1	1	0·28	7	- 11	*0·1*	—	*1*	0	32	50·2	-1·5	55·6	+0·7	*Liverpool.*
b NORTH WALES.														*0·3*	*- 1·9*	*3*						*Manchester (City)*
p Llandudno	71	59	17th	39	22nd	56·0	43·3	49·5	- 1·2	2	0·18	5	- 16	2·2	- 0·6	21						" (Whit. Park)
a Holyhead	15	59	17, 18	41	22nd	57·0	45·6	51·1	+ 0·6	4	1·34	34	+ 12	*2·3*	—	*22*						Llandudno.
p Bettws-y-Coed	*148*	*59*	*17th*	*33*	*22nd*	*54·7*	*38·0*	*46·1*	*- 3·7*	*3*	*0·11*	*3*	—	*2 1*	—	*20*			46·7	-3·7	51·3	-1·1	*Holyhead.*
														2·8	—	27						*Bettws-y-Coed.*

At 3 ft.

The temperature on the grass refers to Hereford

Aberdovey.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														3·3	—	32	*	*	*	*	*	*	Aberystwyth.
a Llangammarch Wells	550	55	20th	36	20th	51·8	39·6	45·5	− 1·2	4	1·10	28	+ 6	1·3	—	12	0	32	49·5	−2·4	52·0	−1·4	Llangammarch.
a Pembroke	149	58	17th	44	22nd	55·7	45·7	50·6	− 0·7	4	1·10	28	+ 6	3·2	− 0·2	31	*	*	*	*	*	*	Pembroke.
p Cardiff	202	56	17th	36	18th	52·3	42·6	47·3	− 1·1	4	1·75	44	+ 18	*1·9*	—	*18*	0	36	51·9	−1·1	54·6	−0·4	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	56	17, 20, 22	40	21st	54·3	44·3	49·2	+ 0·5	3	1·43	36	+ 15	*1·5*	—	*14*	0	39	*	*	*	*	*Clifton.*
a Shaftesbury	722	57	22nd	40	21st	53·9	43·9	48·8	+ 0·3	2	1·95	50	+ 30	*	*	*	*	*	52·2	*	55·4	*	Shaftesbury.
a Arlington	613	59	17, 18	35	22nd	55·6	41·6	48·4	− 0·1	4	1·50	38	+ 1	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*59*	*21st*	*38*	*20th*	*57·5*	*42·0*	*49·4*	− *2·5*	*4*	*0·65*	*17*	− *3*	4·3	+ 0·7	41	0	35	53·3	*	55·9	*	Newquay.
a Cullompton	202	59	17, 22	34	18th	56·6	42·3	49·2	0·0	5	1·58	40	+ 19	1·9	− 1·2	18	0	32	52·5	*	*	*	Cullompton.
a Portland Bill	19	60	22nd	46	19, 20	57·0	48·3	52·5	+ 0·1	2	0·94	24	—	*3·5*	—	*33*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	62	17, 18, 22	40	18, 22	59·2	45·1	51·9	+ 0·7	4	1·96	50	+ 29	3·9	+ 0·4	37	*	*	52·3	−2·6	55·8	*	Plymouth.
a Falmouth	167	60	17, 21	43	18, 20	58·0	44·3	51·0	− 0·6	5	0·94	24	− 3	4·0	+ 0·2	38	0	35	55·6	*	57·9	*	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	55	17, 22	46	21, 22	53·0	47·3	50·1	+ 1·2	4	0·47	12	− 6	*2·2*	—	*21*	*	*	*	*	*	*	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	58	22, 23	43	19th	54·7	46·7	50·6	+ 0·7	5	1·50	38	+ 9	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	59	17, 22	36	23rd	56·3	41·0	48·4	+ 1·2	5	0·76	19	− 5	2·5	− 0·4	24	2	28	52·4	*	54·1	*	Markree Castle.
a Birr Castle	175	61	17th	34	17th	56·6	42·1	49·1	+ 1·9	6	0·75	19	+ 3	*2·6*	− *0·6*	*25*	*	*	*	*	*	*	*Birr Castle.*
b, East .. *p* Armagh	196	57	18th	35	17th	54·1	43·1	48·4	+ 1·1	4	0·31	8	− 7	1·3	− 1·6	13	1	29	51·1	−0·9	53·2	−0·6	Armagh.
a Donaghadee	101	56	17th	41	18th	54·0	47·3	50·6	+ 1·7	7	0 68	17	+ 1	*	*	*	*	*	*	*	*	*	*
																	1	29	51·5	−1·2	53·5	−0·7	Trinity Coll.
10. IRELAND, S.														1·4	− 2·1	13	1	30	*	*	*	*	Phœnix Park.
p Dublin, City	47	56	22nd	38	17th	54·1	44·7	49·3	+ 0·1	7	1·64	42	+ 27	*	*	*	0	34	*	*	*	*	Dublin City.
a, East .. *a* Kilkenny	212	61	17th	36	22nd	56·1	43·7	49·7	+ 1·6	6	0·46	12	− 5	*	*	*	*	*	*	*	*	*	*
a Waterford	20	65	17th	40	17th	57·9	46·3	51·9	+ 2·8	6	1·67	42	+ 22	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*59*	*17th*	*41*	*17th*	*55·3*	*44·9*	*50·0*	—	*6*	*1·18*	*30*	—	*1·9*	—	*18*	0	34	*	*	*	*	*Seskin.*
a Birr Castle	175	61	17th	34	17th	56·6	42·1	49·1	+ 1·9	6	0·75	19	+ 3	2·6	− 0·6	25	*	*	*	*	*	*	Birr Castle.
a Foynes	50	62	17th	38	17th	56·3	46·3	51·2	+ 1·7	4	0·37	9	− 12	*	*	*	*	*	*	*	*	*	*
a Cahir	199	60	18th	35	17th	56·4	44·0	50·0	+ 0·6	6	1·42	36	—	*	*	*	*	*	*	*	*	*	*
b, West .. *a* Killarney	174	64	17th	39	17th	59·6	46·9	53·1	+ 3·8	7	1·84	47	+ 17	*	*	*	*	*	*	*	*	*	*
a Valencia	30	61	17th	41	17th	58·7	47·4	52·9	+ 1·6	7	3·16	80	+ 50	3·7	+ 0·4	36	*	*	*	*	*	*	Valencia.
a Roche's Point	32	60	17th	43	17, 18	57·9	49·0	53·3	+ 2·4	5	1·73	44	+ 21	*	*	*	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	61	17th	45	21st	59·0	48·3	53·5	+ 0·1	5	1·07	27	+ 7	4·3	+ 0·5	41	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	60	17, 22	45	22, 23	57·7	46·0	51·7	− 2·1	2	0·35	9	− 16	1·8	− 2·3	17	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	62	22nd	45	22nd	57·7	48·9	53·2	− 0·4	5	1·24	32	+ 6	1·9	− 2·0	18	0	39	55·0	−1·7	57·9	−0·7	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, October 23rd, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.					
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.		
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.			
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s.	d.	h m.
1. SCOTLAND, E.																
Dyce	75	‡15**	—	—	—	—	37	121	10	0	ESE.	7	23rd 22h.	17	23rd	20 . 29
Aberdeen*	105	37 ‖ 52 ‖	—	—	23rd	3	91	65	9	0	SE. by S.	11	23rd 21h.	18	21st	13 . 23
Edinburgh	39	31	—	—	—	—	7	109	52	0	SE. by S.	9	23rd 20h.	13	23rd	20 . 13
6. SCOTLAND, W.																
Eskdalemuir ..	50	22	—	—	—	—	29	89	50	0	SE.	8	23rd 16h.	13	23rd	15 . 45
Paisley (Coats Obs.)	81	52	—	—	—	—	1	98	69	0	S. by E.	6	23rd 19h.	11	23rd	18 . 48
2. ENGLAND, N.E.																
Alnwick Castle ..	70	17	—	—	—	—	14	35	65	56	S. by E.	7	23rd 19h.	13	23rd	23 . 50
South Shields ..	61	12	—	—	—	—	33	82	53	0	S. by E.	10	23rd 20h.	14	23rd	21 . 45
Spurn Head	40	†	—	—	22, 23	9	47	89	13	10	—	11	23rd 20h.	14	23rd	18 . 48
3. ENGLAND, E.																
Gorleston	42	‡‡	—	—	—	—	91	77	0	0	—	11	23rd 9h.	17	20th	3 . 17
Shoeburyness ..	90	‡‡	—	—	—	—	58	96	7	7	—	8	23rd 23h.	11	19th	13 . 1
4. MIDLAND COUNTIES.																
Benson	84	‡	—	—	—	—	25	80	63	0	SE.	9	23rd 24h.	13	23rd	23 . 46
5. ENGLAND, S.E.																
Dover	40	‡‡	—	—	—	—	24	101	43	0	—	7	22nd 22h.	10	21st	19 . 15
Warlingham ..	33	‡‡	No Record—instrument under repair.													
Brighton	53	6	—	—	—	—	19	53	0	96	—	7	23rd 12h.	10	20th	13 . 20
Kew†	65	6 ‖ 22 ‖	—	—	—	—	—	83	81	4	NE. by E.	5	19th 13h.	9	23rd	11 . 25
South Kensington ..	92	30	—	—	—	—	—	92	76	0	E. by N.	4	20th 11h.	9	19th	15 . 35
7. ENGLAND, N.W.																
Carnforth	56	23	—	—	—	—	—	20	148	0	E. by N.	3	23rd 11h.	7	23rd	11 . 12
Southport	62	48	—	—	—	—	22	124	22	0	SSE.	8	23rd 14h.	13	23rd	13 . 47
Holyhead*	40	‡	—	—	23rd	5	54	100	9	0	SE. by S.	13	23rd 11h.	21	23rd	11 . 3
8. ENGLAND, S.W.																
Pendennis Castle§ ..	65	24	21st	5	20, 22, 23	22	35	33	20	53	SSE.	18	21st 4h.	25	21st	5 . 15
Plymouth††	86	21	—	—	—	—	18	35	115	0	—	10	21st 3h.	14	21st	2 . 40
10. IRELAND, S.																
Quilty	40	‡‡	—	—	20, 21	13	94	61	0	0	—	14	21st 2h.	20	21st	1 . 50
Weaver Pt.	30	‡‡	—	—	20 to 23	17	50	94	7	0	—	16	21st 1h.	23	21st	1 . 0
11. ENGLISH CHANNEL.																
Scilly*	32 19	‡	—	—	20, 21	6	36	44	73	9	SSE.	14	21st 2h.	20	21st	1 . 52

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof. †† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTY-SECOND WEEK—October 17th to October 23rd, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Means of						Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	57	32	52·2	41·6	46·8	+ 1·2	35	0	1	− 8	4	− 1	0·55	14	− 14	3·2	+0·7	31	1023
Eastern.																			
1. SCOTLAND, EAST ...	61	28	52·7	38·6	45·4	0·0	38	+ 1	10	− 1	5	+ 1	1·08	28	+ 11	1·5	−1·3	15	1023
2. ENGLAND, N.E.	58	30	53·3	42·3	47·7	+ 0·2	40	− 3	0	− 5	3	− 1	0·22	6	− 13	1·3	−1·8	12	1023
3. ENGLAND, EAST ...	61	31	55·2	43·7	49·3	+ 1·0	51	0	0	− 6	3	− 1	0·31	8	− 9	2·2	−1·1	21	1022
4. MIDLAND COUNTIES ...	59	27	52·7	40·8	46·6	− 0·6	37	− 9	3	− 5	2	− 2	0·52	13	− 4	0·8	−2·2	7	1022
5. ENGLAND, S.E.	61	30	56·1	44·3	50·0	+ 0·3	56	− 2	0	− 4	3	0	0·62	16	− 3	1·9	−1·5	19	1022
Western.																			
6. SCOTLAND, WEST ...	59	34	53·2	43·1	48·0	+ 0·9	42	− 1	0	− 7	4	0	1·25	32	+ 6	1·1	−1·6	10	1023
7. ENGLAND, N.W.	59	33	54·6	42·2	48·2	− 0·1	43	− 5	0	− 4	2	− 1	0·48	12	− 10	2·0	−0·7	19	1021
8. ENGLAND, S.W.	62	34	55·4	43·8	49·4	− 0·3	52	− 3	0	− 3	4	0	1·40	36	+ 10	3·1	−0·2	30	1020
9. IRELAND, NORTH ...	61	34	54·8	44·6	49·5	+ 2·0	53	+ 8	0	− 5	5	+ 1	0·75	19	− 2	1·9	−1·1	18	1018
10. IRELAND, SOUTH ...	65	35	57·1	45·6	51·2	+ 2·3	64	+ 10	0	− 4	6	+ 2	1·45	37	+ 15	2·6	−0·7	25	1018
11. ENGLISH CHANNEL ...	62	45	58·1	47·7	52·8	− 0·4	76	− 2	0	0	4	− 1	0·89	23	0	2·7	−1·3	25	1020

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 8 Weeks, August 29th to October 23rd, 1915.

0. SCOTLAND, NORTH ...	76	29	56·7	44·9	50·5	*	496	+ 18	13	− 8	28	−11	4·91	124	−106	3·9	+0·8	32	1016
Eastern.																			
1. SCOTLAND, EAST ...	77	22	58·7	42·4	50·2	*	513	− 2	38	+ 12	25	− 8	5·42	138	+ 10	4·3	+0·6	35	1017
2. ENGLAND, N.E.	76	27	59·9	46·0	52·6	*	605	+ 2	6	− 4	18	−11	2·22	58	− 53	4·2	+0·1	35	1018
3. ENGLAND, EAST ...	80	30	61·5	47·7	54·4	*	695	+ 9	3	− 10	20	− 8	2·41	61	− 47	4·6	+0·1	38	1017
4. MIDLAND COUNTIES ...	80	27	61·1	44·9	52·7	*	617	− 11	11	− 7	15	−13	2·11	54	− 60	3·8	−0·2	31	1018
5. ENGLAND, S.E.	78	27	62·3	47·8	54·7	*	716	− 35	2	− 6	18	− 9	3·79	98	− 27	4·6	0·0	38	1017
Western.																			
6. SCOTLAND, WEST ...	73	24	59·1	45·4	51·9	*	574	+ 13	12	− 2	24	− 9	4·01	101	−109	3·8	0·0	31	1018
7. ENGLAND, N.W.	76	27	60·5	46·7	53·3	*	635	+ 1	2	− 4	19	−12	2·44	62	−101	4·6	+0·8	38	1017
8. ENGLAND, S.W.	78	27	61·2	48·0	54·4	*	693	− 11	0	− 5	27	− 4	4·32	110	− 63	4·6	+0·2	38	1017
9. IRELAND, NORTH ...	73	31	59·9	47·6	53·5	*	645	+ 60	0	− 8	31	− 5	4·32	109	− 56	3·7	+0·2	31	1015
10. IRELAND, SOUTH ...	77	33	62·0	48·9	55·2	*	737	+ 82	0	− 7	33	+ 2	5·94	150	− 4	4·4	+0·3	36	1016
11. ENGLISH CHANNEL ...	77	43	63·4	51·7	57·3	*	858	− 9	0	0	22	−12	4·68	118	− 27	5·4	0·0	44	1017

THE YEAR.—Aggregates, &c., for the Period of 42 Weeks, January 3rd to October 23rd, 1915.

0. SCOTLAND, NORTH ...	80	12	53·0	41·2	46·9	*	1966	+ 16	516	− 62	177	−17	32·92	835	−164	3·7	+0·2	28	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·6	39·8	46·9	*	2115	− 80	668	+ 22	154	− 7	24·68	628	+ 21	4·3	+0·1	32	1012
2. ENGLAND, N.E.	85	20	56·0	42·5	49·0	*	2482	+ 32	409	− 76	134	−11	18·53	471	− 19	4·6	+0·1	35	1013
3. ENGLAND, EAST ...	90	18	57·4	43·7	50·3	*	2829	− 2	384	−150	140	0	20·44	522	+ 52	4·9	0·0	38	1014
4. MIDLAND COUNTIES ...	87	19	57·8	41·9	49·5	*	2687	− 70	462	− 89	124	−15	20·97	534	+ 10	4·4	0·0	34	1014
5. ENGLAND, S.E.	88	15	58·1	44·4	50·9	*	2953	− 94	320	− 69	117	−16	22·90	587	+ 71	4·9	−0·1	38	1014
Western.																			
6. SCOTLAND, WEST ...	78	18	55·5	42·1	48·5	*	2368	− 2	446	+ 7	150	−18	27·52	700	−216	4·6	+0·3	35	1013
7. ENGLAND, N.W.	77	21	56·1	43·5	49·5	*	2552	− 44	346	− 46	132	−22	23·76	605	− 74	4·8	+0·5	37	1013
8. ENGLAND, S.W.	79	17	57·1	44·7	50·5	*	2803	− 80	298	− 8	145	− 7	28·72	730	+ 2	4·8	−0·1	37	1014
9. IRELAND, NORTH ...	75	20	55·4	43·3	49·1	*	2452	− 24	352	− 1	175	− 8	25·73	655	− 95	4·0	+0·1	31	1012
10. IRELAND, SOUTH ...	78	21	57·4	44·8	50·9	*	2880	+ 45	284	+ 18	175	+13	30·36	775	+ 4	4·5	0·0	35	1014
11. ENGLISH CHANNEL ...	81	27	57·9	47·7	52·6	*	3240	− 82	120	+ 11	135	−27	23·53	523	− 7	5·5	−0·4	43	1015

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., October 28th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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I.—Remarks.

Temperature was below the average in all districts the departures varying up to 3°·0 in Scotland West, and 3°·3 in Ireland South. The maximum at no station reached 60°, though it rose to 58° or 59° at several stations in the south of England, and also at Blacksod Point. Minima below 30° were measured at some stations in the Midland Counties, and in the north-east of the country, mostly towards the end of the week. The lowest screen temperature was 21° at West Linton on the 30th. Rainfall was in excess of the average in all districts except England North-West and Scotland North. In the latter the deficiency was considerable. A fall of 85 mm. was measured at Crathes on the 28th. The rain on this occasion was without break for 42 hours. Sunshine was deficient in the north and east of the country generally, and in excess in the west. The largest departure from the average was — 1·5 hours per day in England East. Much fog was reported on the 29th and 30th, especially over the eastern half of the country. Bright aurora was observed from Gordon Castle on the 24th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient
	Rainfall ...	Light	Heavy	Moderate	Heavy	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy
	Sunshine ...	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty	Moderate	Moderate	Abundant	Abundant	Moderate	Moderate

THE SEASON.

AUTUMN. 9 weeks from Aug. 29th, 1915.	Warmth ...	4, 3, 2	3, 3, 3	4, 3, 2	3, 3, 3	3, 3, 3	3, 1, 5	4, 2, 3	4, 2, 3	3, 3, 3	5, 2, 2	6, 0, 3	4, 2, 3
	Rainfall ...	1, 2, 6	4, 2, 3	1, 3, 5	2, 2, 5	1, 3, 5	3, 2, 4	0, 4, 5	0, 3, 6	2, 2, 5	0, 5, 4	4, 2, 3	3, 2, 4
	Sunshine ...	6, 0, 3	4, 2, 3	2, 3, 4	1, 4, 4	1, 5, 3	1, 3, 5	3, 2, 4	4, 4, 1	3, 4, 2	3, 4, 2	3, 3, 3	1, 6, 2

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, October 30th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	49	49	49·0	−0·6	Cleggan	56	53	54·1	+3·3
Wick*	48	48	48·0	−3·3					
SCOTLAND, W.					ENGLAND, N.E.				
Ballantrae	52	44	48·2	−2·0	Burnmouth, Berwick	48	46	47·2	−2·2
ENGLAND, S.W.					ENGLAND, E.				
Scilly	—	—	—	—	Shipwash Lightship	—	—	—	—
Plymouth‡	57	55	55·4	−0·5	ENGLAND, S.E.				
IRELAND, N.W.					Eastbourne‡	54	50	51·6	−3·6
Sheephaven	54	45	49·1	−3·6	ENGLAND, N.W.				
					Port Erin	54	52	53·0	−0·1

* Two days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(6445—19.) Wt. 160—610. 4 O S. 11/15. D & S. G. 20/ 36.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
a, Islands .. *p Baltasound*	*31*													•	•	•							*Baltasound.*
a Lerwick ..	54	49	24th	37	27th	45·9	40·0	42·9	− 2·1	7	0·68	17	—	2·0	− 0·4	22	•	•	•	•	•	•	Deerness.
a Stornoway	51	52	25th	37	26, 27	49·9	41·1	45·4	+ 0·3	5	0·59	15	− 19	1·9	− 0·5	20	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd. ..	*37*	*52*	*24, 27–29*	*44*	*26, 29*	*51·3*	*45·9*	*48·5*	*+ 1·1*	*5*	*1·00*	*25*	—	*2·5*	—	*26*							*Castlebay.*
b, Mainland, *a* Wick ..	81	51	24th	35	25, 27, 28	48·3	39·3	43·7	+ 1·4	4	0·35	9	− 9	•	•	•	•	•	•	•	•	•	
p Strathpeffer ..	200	50	29th	28	30th	48·1	35·3	41·5	+ 2·7	3	0·44	11	− 6	1·6	− 1·0	17	•	•	•	•	•	•	Strathpeffer.
p Glencarron ..	500	52	24th	32	25, 27, 30	48·1	35·6	41·7	+ 1·7	2	0·35	9	− 45	•	•	•	•	•	•	•	•	•	
p Fort Augustus..	68	54	24th	31	25th	49·6	37·4	43·3	+ 1·5	4	0·34	9	− 16	1·4	− 0·4	15	•	•	•	•	•	•	Fort Augustus.
p Fort William ..	171	53	24, 30	34	25th	49·3	38·1	43·5	+ 2·2	3	0·43	11	− 34	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.														1·7	—	18	2	27	46·4	−1·3	49·2	−1·1	Crathes.
p Gordon Castle ..	101	51	24, 30	31	25th	47·7	36·1	41·7	− 3·5	7	1·06	27	+ 7	*1·6*	—	*17*	•	•	•	•	•	•	*Gordon Castle.*
a Nairn ..	82	52	24th	29	25th	47·9	34·4	41·0	− 3·9	3	0·09	2	− 11	1·5	—	16	•	•	•	•	•	•	Nairn.
a Aberdeen ..	46	52	24th	33	30th	48·1	40·1	44·0	− 1·5	6	1·69	43	+ 26	1·5	− 1·4	16	•	•	•	•	49·2	−0·4	Aberdeen.
a Balmoral ..	930	?52	27, 28	25	30th	?48·9	32·9	?40·7	− 0·8	6	2·66	68	+ 46	•	•	•	4	22	•	•	•	•	Balmoral.
p Crieff ..	432	51	24, 26	30	27th	47·6	35·4	41·3	− 4·0	5	1·02	26	+ 3	•	•	•	•	•	•	•	•	•	Balruddery.
a Leith ..	18	52	24th	35	30th	48·3	39·9	44·0	− 2·9	4	0·43	11	− 1	•	•	•	•	•	•	•	•	•	
a West Linton ..	769	50	29th	21	30th	45·3	32·9	38·9	− 3·0	4	0·51	13	—	*2·2*	—	*23*	4	20	•	•	•	•	*West Linton.*
p Marchmont ..	498	50	24, 25	32	30th	48·6	36·7	42·5	− 1·6	5	1·01	26	+ 5	2·2	+ 0·4	23	2	27	•	•	•	•	Marchmont.
a Edinburgh ..	*441*	*51*	*30th*	*36*	*27th*	*46·7*	*39·3*	*42·9*	—	*4*	*0·33*	*8*	—	2·0	—	21	3	29	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.														•	•	•	•	•	•	•	•	•	
a Poltalloch ..	132	50	25, 29, 30	29	26th	47·3	35·9	41·4	− 5·1	4	1·83	46	+ 17	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	51	24th	36	27th	47·0	39·4	43·1	− 2·2	4	0·65	17	− 3	1·1	− 0·8	11	4	27	•	•	•	•	Glasgow.
p Rothesay ..	170	51	24th	35	26th	47·6	40·0	43·7	− 2·8	5	0·79	20	− 5	*2·6*	—	*27*	1	28	45·6	•	50·3	−0·3	*Rothesay.*
a Kilmarnock ..	90	54	29th	33	26, 27	49·0	36·4	42·5	− 3·3	3	0·49	12	—	*2·0*	—	*21*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell ..	170	51	28th	32	26th	48·4	36·9	42·5	− 3·5	6	1·23	31	+ 4	•	•	•	5	26	•	•	•	•	
a Dumfries ..	160	52	30th	33	27, 30	47·4	38·3	42·7	− 3·4	3	0·89	23	+ 1	*1·9*	—	*20*	2	28	46·2	•	51·1	•	*Dumfries.*
Eskdalemuir ..	*799*	*49*	*30th*	*28*	*27, 30*	*45·9*	*33·6*	*39·6*	—	*5*	*0·44*	*11*	—	*2·5*	—	*26*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	54	28, 30	31	27th	50·4	36·1	43·0	− 2·9	4	2·44	62	+ 33	•	•	•	•	•	•	•	•	•	
b, I. OF MAN. *p* Douglas ..	277	53	29, 30	37	26th	50·6	41·3	45·8	− 1·7	4	1·18	30	+ 3	3·8	+ 0·8	38	0	31	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	51	24th	29	30th	48·0	38·9	43·3	− 2·5	5	1·55	39	+ 17	1·6	—	17	1	25	43·7	−2·4	48·9	−0·4	Cockle Park.
a Tynemouth ..	71	52	24th	34	30th	48·6	41·0	44·7	− 2·1	5	1·02	26	+ 9	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham ..	336	51	24th	27	30th	47·7	36·0	41·7	− 3·8	5	0·60	13	− 5	1·4	− 1·2	14	2	27	•	•	•	•	Durham.
a, North .. *p* Rounton ..	249	51	24th	29	27th	48·3	36·3	42·1	− 2·8	6	0·36	9	− 10	•	•	•	4	27	46·8	•	•	•	Rounton.
a West Witton ..	*605*	*53*	*29th*	*28*	*30th*	*46·3*	*37·1*	*41·6*	—	*4*	*0·24*	*6*	—	•	•	•	3	23	45·5	•	49·4	•	*West Witton.*
p Scarborough ..	100	54	24th	39	27, 28, 30	51·1	42·1	46·5	− 0·9	5	0·80	20	+ 1	2·0	—	28	•	•	•	•	54·0†	•	Scarborough.
p York ..	56	53	24th	33	27th	47·9	38·7	43·2	− 3·3	3	0·58	15	0	1·4	− 1·0	14	•	•	49·4	−1·1	52·6	−0·3	York.
b, South .. *a* Spurn Head ..	26	53	24th	39	30th	49·3	41·3	45·2	− 3·2	7	0·92	23	+ 10	*1·0*	—	*10*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln ..	58	54	24th	29	30th	48·4	38·6	43·4	− 3·2	3	0·70	18	+ 4	•	•	•	•	•	46·6	−3·1	53·5	+0·8	Lincoln.
a Fulbeck ..	180	55	29th	30	30th	50·6	37·3	43·8	− 2·5	6	0·99	25	+ 11	1·7	—	17	1	28	47·9	−1·6	52·9	−0·5	Rauceby.
														1·3	—	13	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer ..	196	57	30th	38	28th	50·8	42·3	46·3	− 1·0	6	0·94	24	—	1·0	—	10	•	•	•	•	•	•	Cromer.
p Little Massingham ..	280	51	24th	34	30th	49·0	39·1	43·9	− 2·9	7	1·54	39	+ 23	1·2	—	12	0	32	•	•	•	•	Lit. Massingham.
a, North .. *a* Yarmouth ..	13	53	24, 26, 30	39	28th	51·3	43·9	47·5	− 0·5	4	1·06	27	+ 10	1·3	—	13	•	•	50·3	−0·8	54·6	−0·5	Yarmouth.
a Norwich ..	93	53	24th	32	30th	49·7	40·1	44·8	− 1·6	6	1·02	26	—	*0·9*	—	*9*	1	27	46·9	•	•	•	*Norwich.*
a Geldeston ..	37	56	30th	32	30th	52·9	40·7	46·6	− 1·1	5	0·93	24	+ 7	1·2	− 1·9	12	•	•	•	•	•	•	Geldeston.
b, South .. *p* Cambridge ..	41	58	28, 29	29	30th	52·7	39·0	45·7	− 1·4	2	0·56	14	+ 1	2·0	− 1·1	20	1	28	49·4	−1·3	54·0	−0·6	Cambridge.
a Clacton-on-Sea ..	54	53	24, 29	32	30th	51·3	41·7	46·4	− 2·5	2	0·36	9	—	2·8	—	28	0	31	50·0	−3·5	54·8	−0·5	Clacton.
a Rothamsted ..	424	54	28th	27	30th	49·3	37·6	43·3	− 2·8	5	0·73	19	+ 2	1·6	− 1·3	18	2	23	47·9	•	•	•	Rothamsted.
p Tottenham ..	51	55	28th	34	30th	49·7	40·6	45·0	− 2·7	4	0·57	14	—	0·3	—	3	0	33	•	•	55·2	−1·1	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate ..	479	51	24th	28	30th	46·3	37·1	41·6	− 3·8	5	0·59	15	− 4	1·8	—	18	3	28	46·5	−2·4	49·7	−0·6	Harrogate.
p Buxton ..	*987*	*51*	*29th*	*26*	*30th*	*46·9*	*34·0*	*40·3*	− *3·4*	*6*	*1·08*	*27*	− *4*	*2·4*	—	*24*	4	25	44·4	−4·2	51·4	−0·0	*Buxton.*
														1·7	—	17	1	28	47·0	−2·2	51·4	−0·7	Sheffield.
a Bawtry ..	65	55	29th	29	30th	49·4	36·4	42·7	− 3·3	3	0·55	14	+ 1	1·4	− 1·0	14	4	26	47·3	•	51·2	•	Worksop.
a Nottingham ..	82	53	29th	30	30th	50·1	38·6	44·2	− 2·5	5	0·80	20	+ 7	1·6	—	16	1	29	44·6	−4·2	51·6	−1·3	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	55	28th	35	30th	49·6	39·7	44·5	− 2·0	5	0·85	22	+ 7	2·8	—	28	3	21	46·5	−2·0	51·3	−0·3	Birmingham.
a Raunds ..	203	55	28–30	26	30th	51·9	37·1	44·3	− 2·2	3	0·63	16	—	*2·1*	—	*21*	3	26	51·1	•	55·0	•	*Raunds.*
p Oxford ..	208	54	28, 29	29	30th	50·4	39·1	44·6	− 2·6	4	0·65	22	+ 7	2·1	− 0·8	21	2	25	•	•	•	•	Oxford.
c, West .. *a* Cheadle ..	646	52	29th	31	30th	48·0	36·4	42·0	− 3·2	5	1·30	33	+ 15	•	•	•	1	30	•	•	•	•	Cheadle.
p Shrewsbury ..	191	55	28, 29	28	30th	51·1	36·0	43·3	− 3·6	4	0·69	18	—	•	•	•	4	26	•	•	•	•	Shrewsbury.
a Hereford§ ..	291	54	28, 29	30	29, 30	49·7	37·1	43·2	− 3·8	5	1·41	36	+ 21	*3·1*	—	*31*	4	26	46·9	•	52·8	•	*Malvern.*§
a Cirencester ..	446													•	•	•	•	•	•	•	•	•	Cirencester.
a Bath ..	66	58	28th	29	30th	53·0	37·9	45·2	− 3·0	5	1·67	40	+ 23	2·8	—	28	•	•	•	•	•	•	Bath.
5. ENGLAND, S.E.														1·6	—	16	1	30	49·6	−3·4	54·8	−1·3	Worthing.
a Marlborough ..	424	56	27th	28	30th	50·7	37·0	43·7	− 1·9	4	1·21	31	+ 11	?	?	?	2	24	49·6	•	53·6	•	Marlborough.
a Margate ..	53	58	29th	41	28–30	51·0	44·4	47·6	− 1·8	4	0·67	17	+ 1	1·3	− 1·8	13	0	38	50·1	−0·4	54·9	+0·5	Margate.
a Wisley, Surrey ..	150	56	28, 29	30	30th	51·7	39·1	45·2	− 3·1	4	1·03	26	—	1·7	—	17	3	24	48·7	−2·0	52·8	−1·7	Wisley.
p Salisbury (Wilton) ..	180	58	28th	29	30th	52·9	38·3	45·4	− 1·8	5	1·97	50	+ 30	•	•	•	2	28	49·4	•	•	•	Salisbury.
a Tunbridge Wells ..	354	56	29th	30	30th	51·3	38·9	44·9	− 2·5	3	0·93	24	+ 3	2·1	− 1·0	21	3	25	49·3	−2·0	54·3	•	Tunbridge Wells.
a Dungeness ..	21	55	29th	33	27, 28	51·7	40·6	46·0	− 4·2	4	1·30	33	+ 15	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings ..	178	55	29th	37	27th	51·3	42·0	46·5	− 3·4	6	2·09	53	+ 32	1·3	− 2·2	13	0	35	49·3	•	54·7	•	Hastings.
p Southampton ..	64	58	28th	34	29th	52·3	40·4	46·2	− 3·1	3	1·54	39	+ 18	2·3	− 0·9	23	3	28	•	•	•	•	Southampton.
a Ventnor ..	59	59	24th	40	27th	54·3	44·0	49·0	− 2·1	6	1·60	41	+ 27	2·6	− 0·9	26	•	•	•	•	•	•	Ventnor.
LONDON. *p* Kew ..	18	56	28th	33	*30th*	50·9	40·5	45·6	− 1·9	5	0·71	18	+ 3	1·5	− 1·2	15	3	30	47·8	−3·3	53·1	−1·3	Kew.
a Westminster ..	*27*	*55*	*28th*	*37*	*30th*	*52·6*	*42·0*	*47·1*	− *0·3*	*5*	*0·63*	*16*	+ *4*	*1·1*	− *0·8*	*11*	0	35	•	•	•	•	*Westminster.*
a Greenwich ..	*155*	*56*	*30th*	*32*	*30th*	*51·9*	*40·0*	*45·8*	− *1·8*	*4*	*0·72*	*18*	+ *4*	*2·0*	− *0·6*	*20*	2	27	•	•	•	•	*Greenwich.*
a Hampstead ..	*450*	*57*	*30th*	*32*	*30th*	*50·8*	*38·1*	*44·3*	—	*4*	*0·65*	*17*	—	*1·4*	—	*14*	4	19	•	•	•	•	*Hampstead.*
a Camden Square ..	*110*	*56*	*28th*	*35*	*30th*	*52·1*	*41·0*	*46·4*	—	*5*	*0·52*	*13*	—	*1·0*	—	*10*	0	33	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.														2·9	—	29	•	•	•	•	•	•	Hoylake.
p Aspatria ..	250	52	30th	32	27th	48·3	37·0	42·5	− 3·4	4	0·89	23	− 1	2·8	—	29	1	30	46·4	•	51·0	•	Aspatria.
p Newton Rigg ..	559	52	29th	29	27, 30	47·6	35·4	41·3	− 3·3	3	0·30	8	− 14	2·5	0·0	26	5	21	46·4	−2·7	50·1	−1·0	Newton Rigg.
p Stonyhurst ..	375	52	24th	34	27, 30	48·3	38·3	43·2	− 2·4	3	0·56	14	− 13	1·7	− 0·8	17	2	23	•	•	•	•	Stonyhurst.
p Blackpool ..	66	54	28, 29	33	27th	50·9	38·7	44·6	− 2·9	3	0·78	20	− 2	2·9	—	29	4	23	48·6	•	53·2	•	Blackpool.
a Southport ..	*37*	*53*	*28, 30*	*33*	*30th*	*50·6*	*37·9*	*44·1*	− *3·1*	*4*	*0·59*	*15*	− *6*	*2·8*	+ *0·2*	*28*	4	27	44·6	−4·0	50·6	+0·3	*Southport.*
a Liverpool (Bidston) ..	188	51	24th	36	30th	49·1	39·3	44·1	− 4·0	3	1·26	32	+ 13	*2·5*	—	*25*	•	•	•	•	•	•	*Liverpool.*
a Hawarden Bridge ..	*22*	*54*	*29th*	*31*	*30th*	*50·7*	*38·6*	*44·5*	− *3·8*	*4*	*0·55*	*14*	− *3*	*1·4*	—	*14*	4	27	47·3	−2·4	54·4	+3·0	*Manchester (City)*
p Manchester (Whit. Pk.)	125	56	30th	33	30th	51·1	39·1	44·9	− 1·6	3	0·59	15	− 3	*1·5*	− *0·3*	*15*	•	•	•	•	•	•	„ (Whit. Park)
b NORTH WALES.																							
p Llandudno ..	71	55	29, 30	38	29, 30	51·3	42·6	46·8	− 2·7	5	0·73	19	− 2	2·6	+ 0·1	26	•	•	•	•	•	•	Llandudno.
a Holyhead ..	15	55	28th	40	29th	52·4	45·4	48·8	− 0·7	5	1·22	31	+ 8	*2·4*	—	*24*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed ..	*148*	*53*	*24th*	*31*	*26, 30*	*49·0*	*36·0*	*42·3*	− *6·3*	*6*	*1·37*	*32*	—	*2·4*	—	*24*	•	•	•	•	•	•	*Bettws-y-Coed.*
														3·3	—	33	•	•	45·6	−2·8	50·3	−1·4	Aberdovey.

At 3 ft.

The temperature on the grass refers to Hereford

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
																	Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														3·5	—	35							
a Llangammarch Wells	550	50	28, 30	30	26, 29, 30	47·8	36·8	42·1	− 3·4	6	1·58	40	—	1·4	—	14	3	27	46·8	−3·1	51·4	−1·4	Aberystwyth.
a Pembroke	149	54	27, 29	38	26th	52·3	43·4	47·7	− 2·7	5	1·89	48	+ 25	3·5	+ 0·5	35	•	•	•	•	•	•	Llangammarch.
p Cardiff	202	54	29th	31	30th	51·1	39·6	45·2	− 2·0	5	1·60	41	+ 15	*3·0*	—	*30*	1	29	48·9	−1·8	53·5	−0·4	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	229	53	28, 29	35	30th	50·9	40·6	45·6	− 2·1	5	1·50	38	+ 17	2·7	—	27	0	32	•	•	•	•	*Clifton.*
a Shaftesbury	722	55	28th	36	26th	50·6	40·0	45·1	− 2·2	5	2·10	53	+ 32	•	•	•	•	•	48·5	•	53·9	•	Shaftesbury.
a Arlington	613	54	29th	34	30th	50·4	39·7	44·9	− 2·5	6	1·85	42	+ 4	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*54*	24, 28–30	*36*	*30th*	*52·6*	*42·3*	*47·3*	− *3·3*	*5*	*1·53*	*39*	+ *20*	4·6	+ 1·3	46	0	32	51·2	•	55·0	•	Newquay.
a Cullompton	202	54	28th	28	30th	51·9	37·7	44·6	− 3·4	4	1·55	39	+ 17	3·0	+ 0·2	30	3	26	49·6	•	•	•	Cullompton.
a Portland Bill	19	56	28, 30	41	27th	53·9	44·3	49·0	− 2·0	5	1·34	34	—	2·7	—	27	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	57	24, 25, 28	35	29, 30	54·9	41·3	47·9	− 2·4	5	1·72	44	+ 22	4·2	+ 1·0	42	•	•	49·6	−3·3	54·7	•	Plymouth.
a Falmouth	167	56	24th	39	30th	54·0	42·1	47·9	− 2·8	5	1·74	44	+ 16	5·2	+ 1·6	52	1	30	52·9	•	56·7	•	Falmouth.
9. IRELAND. N.																							
a Malin Head	208	52	24th	38	28–30	49·9	42·0	45·8	− 2·1	3	0·55	14	− 5	*3·2*	—	*33*	•	•	•	•	•	•	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	58	24th	37	26th	52·6	40·6	46·4	− 2·7	6	1·38	35	+ 5	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	55	24th	28	26th	52·0	31·1	41·2	− 5·1	6	0·95	24	0	3·3	+ 0·7	33	4	25	48·9	•	53·1	•	Markree Castle.
a Birr Castle	175	56	24th	30	29th	51·4	34·6	42·8	− 3·3	4	0·87	22	+ 5	*4·4*	+ *1·5*	*44*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	53	28th	31	30th	49·6	36·1	42·7	− 3·6	3	0·83	21	+ 5	3·7	+ 1·0	37	4	24	48·8	−1·4	52·3	−0·6	Armagh.
a Donaghadee	101	53	30th	36	29th	50·7	41·9	46·2	− 1·6	5	1·82	46	+ 29	•	•	•	•	•	•	•	•	•	•
10. IRELAND. S.														2·5	− 0·7	25	2	24	49·3	−1·5	52·3	−0·9	Trinity Coll.
p Dublin, City	47	52	24, 28, 30	34	29, 30	49·9	40·0	44·8	− 3·5	4	1·52	39	+ 24	•	•	•	2	25	•	•	•	•	Phœnix Park.
a, East .. *a* Kilkenny	212	55	24th	26	29th	52·1	34·7	43·1	− 3·8	5	1·09	28	+ 11	•	•	•	2	29	•	•	•	•	Dublin City.
a Waterford	20	56	24, 27	30	29, 30	53·0	37·7	45·1	− 3·1	5	1·94	49	+ 28	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*53*	*24th*	*34*	*29th*	*50·3*	*37·3*	*43·6*	—	*3*	*1·92*	*49*	—	*3·1*	—	*31*	4	24	•	•	•	•	*Seskin.*
a Birr Castle	175	56	24th	30	29th	51·4	34·6	42·8	− 3·3	4	0·87	22	+ 5	4·4	+ 1·5	44	•	•	•	•	•	•	Birr Castle.
a Foynes	50	55	24th	32	30th	51·7	38·6	45·0	− 3·4	3	1·02	26	+ 4	•	•	•	•	•	•	•	•	•	•
b, West .. *a* Cahir	198	55	24th	27	30th	52·4	35·0	43·4	− 4·6	6	1·18	30	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	56	24th	31	26th	53·1	37·6	45·1	− 3·4	5	1·57	40	+ 9	•	•	•	•	•	•	•	•	•	•
a Valencia	30	57	25th	36	26, 27	54·1	41·4	47·6	− 2·8	5	2·61	66	+ 35	3·2	+ 0·1	32	•	•	•	•	•	•	Valencia.
a Roche's Point	32	56	24th	36	30th	53·4	40·0	46·5	− 3·5	6	1·21	31	+ 8	3·5	—	35	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	24, 30	43	29th	53·7	45·6	49·5	− 3·1	5	1·11	28	+ 8	4·9	+ 1·4	49	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	59	24th	39	29, 30	55·1	45·0	49·9	− 2·7	6	0·71	18	− 8	3·4	− 0·3	34	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	58	24th	41	30th	53·9	45·4	49·5	− 3·0	6	2·28	58	+ 31	2·9	− 0·4	29	0	34	51·9	−2·8	56·7	−0·9	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, October 30th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.				
			Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.	
	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s.	d. h. m.
1. SCOTLAND, E.															
Dyce	75	‡15**	—	—	28th	1	62	70	30	5	SE.	11	28th 10h.	23	28th 14 . 38
Aberdeen*	105	37 ‖ 52 ‖	28, 29	11	24, 27 to 29	34	38	72	13	0	SE. by E.	19	28th 24h.	28	28th 8 . 38
Edinburgh	39	31	—	—	28th	1	25	114	28	0	SE. by S.	12	28th 6h.	18	28th 5 . 39
6. SCOTLAND, W.															
Eskdalemuir ..	50	22	—	—	—	—	52	46	70	0	NE.	10	25th 10h.	16	24th 10 . 55
Paisley (Coats Obs.)	81	52	—	—	—	—	10	81	77	0	SE.	8	28th 3h.	15	28th 1 . 0
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	28th	1	36	63	68	0	SE.	11	28th 18h.	18	28th 18 . 50
South Shields ..	61	12	—	—	24, 25, 28	19	51	53	45	0	S. by E.	13	28th 8h.	18	28th 6 . 28
Spurn Head	40	‡	—	—	24, 25, 28	45	53	33	9	28	—	16	28th 10h.	22	24th 18 . 5
3. ENGLAND, E.															
Gorleston	42	‡	28th	1	24, 25, 28	48	47	72	0	0	—	17	28th 13h.	22	28th 13 . 34
Shoeburyness ..	90	‡	25th	2	24 to 26, 28	38	46	72	10	0	ENE.	18	25th 12h.	23	25th 9 . 29
4. MIDLAND COUNTIES.															
Benson	84	‡	—	—	—	—	61	55	52	0	SSE.	10	28th 7h.	16	25th 13 . 50
5. ENGLAND, S.E.															
Dover	40	‡	—	—	24 to 26, 28	47	50	38	33	0	—	17	25th 10h.	24	25th 7 . 20
Warlingham ..	33	‡	—	—	No Record—instrument under repair.										
Brighton	53	6	—	—	28th	3	58	75	10	22	—	12	28th 10h.	22	28th 9 . 20
Kew†	65	6 ‖ 22 ‖	—	—	—	—	43	63	62	0	ENE.	10	24th 22h.	18	24th 21 . 52
South Kensington ..	92	30	—	—	—	—	30	73	63	2	NE. by E.	9	24th 24h.	15	24th 21 . 44
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	—	—	5	58	105	0	NNE.	8	25th 11h.	14	25th 13 . 20
Southport	62	48	—	—	28th	2	68	81	17	0	SE.	11	28th 4h.	18	28th 3 . 40
Holyhead*	40	‡	—	—	24, 25, 27, 28	35	71	61	1	0	S.	15	28th 1h.	21	28th 1 . 25
8. ENGLAND, S.W.															
Pendennis Castle§ ..	65	24	25, 27, 28, 30	17	24 to 28, 30	41	55	14	27	14	SSE.	22	30th 23h.	27	30th 22 . 48
Plymouth††	88	2	—	—	27, 28, 30	11	12	68	77	0	—	14	28th 4h.	20	28th 3 . 45
10. IRELAND, S.															
Quilty	40	‡	—	—	24, 27, 28, 30	25	62	67	4	10	—	14	28th 8h.	23	28th 6 . 24
Weaver Pt.	30	‡	—	—	24, 27, 50	22	67	70	9	0	—	17	30th 21h.	25	30th 20 . 55
11. ENGLISH CHANNEL.															
Scilly*	32 ‖ 19 ‖	‡	—	—	24 to 28, 30	45	58	37	28	0	NW.	17	24th 22h.	23	30th 21 . 10

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory
** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.
†† From the instrument at the Royal Western Yacht Club.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTY-THIRD WEEK—October 24th to October 30th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	28	48·5	38·1	43·1	− 1·8	24	− 6	11	0	4	− 1	0·45	12	− 18	1·7	−0·6	18	1017
Eastern.																			
1. SCOTLAND, EAST ...	52	21	47·8	36·1	41·8	− 2·1	16	− 16	24	+ 10	5	+ 1	1·06	27	+ 10	1·8	−0·8	19	1017
2. ENGLAND, N.E.	55	27	48·8	38·9	43·7	− 2·7	25	− 13	9	+ 3	5	+ 1	0·82	21	+ 2	1·3	−1·1	16	1015
3. ENGLAND, EAST ...	57	27	50·7	40·6	45·5	− 1·6	30	− 14	4	− 3	5	+ 1	0·86	22	+ 6	1·5	−1·5	15	1014
4. MIDLAND COUNTIES ...	58	26	50·0	37·5	43·6	− 2·5	30	− 10	13	+ 4	4	0	0·92	24	+ 7	2·0	−0·5	20	1014
5. ENGLAND, S.E.	59	28	51·8	40·5	46·0	− 2·6	34	− 18	4	− 1	4	0	1·31	33	+ 13	1·8	−1·2	18	1013
Western.																			
6. SCOTLAND, WEST ...	54	29	48·5	38·0	43·1	− 3·0	25	− 13	11	+ 3	4	0	1·19	30	+ 2	2·5	0·0	25	1016
7. ENGLAND, N.W.	55	29	49·8	39·4	44·5	− 2·7	28	− 15	7	+ 2	4	0	0·79	20	− 2	2·7	+0·2	27	1014
8. ENGLAND, S.W.	57	28	51·8	40·6	46·0	− 2·8	34	− 18	4	0	5	+ 1	1·67	42	+ 16	3·6	+0·7	36	1013
9. IRELAND, NORTH ...	58	28	51·0	37·7	44·2	− 2·4	33	− 7	12	+ 6	5	0	1·07	27	+ 5	3·5	+0·7	35	1013
10. IRELAND, SOUTH ...	57	26	52·3	37·7	44·8	− 3·3	38	− 11	12	+ 7	5	+ 1	1·45	37	+ 14	3·4	+0·4	34	1013
11. ENGLISH CHANNEL ...	59	39	54·2	45·3	49·6	− 2·7	53	− 19	0	0	6	+ 1	1·37	35	+ 12	3·7	+0·3	37	1012

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 9 Weeks, August 29th to October 30th, 1915.

0. SCOTLAND, NORTH ...	76	28	55·8	44·1	49·7	*	520	+ 12	24	− 8	32	−12	5·36	136	−124	3·7	+0·7	31	1016
Eastern.																			
1. SCOTLAND, EAST ...	77	21	57·4	41·7	49·3	*	529	− 18	62	+ 22	30	− 7	6·48	165	+ 20	4·0	+0·5	34	1017
2. ENGLAND, N.E.	76	27	58·6	45·2	51·6	*	630	− 11	15	− 1	23	−10	3·04	79	− 51	3·9	0·0	33	1017
3. ENGLAND, EAST ...	80	27	60·3	46·9	53·4	*	725	− 5	7	− 13	25	− 7	3·27	83	− 41	4·2	−0·2	36	1017
4. MIDLAND COUNTIES ...	80	26	59·9	44·1	51·7	*	647	− 21	24	− 3	19	−13	3·03	78	− 53	3·6	−0·3	30	1017
5. ENGLAND, S.E.	78	27	61·1	47·0	53·8	*	750	− 53	6	− 7	22	− 9	5·10	131	− 14	4·3	−0·2	36	1017
Western.																			
6. SCOTLAND, WEST ...	73	24	57·9	44·5	50·9	*	599	0	23	+ 1	28	− 9	5·20	131	−107	3·6	0·0	31	1017
7. ENGLAND, N.W.	76	27	59·3	45·9	52·3	*	663	− 14	9	− 2	23	−12	3·23	82	−103	4·3	+0·7	37	1017
8. ENGLAND, S.W.	78	27	60·2	47·2	53·4	*	727	− 29	4	− 5	32	− 3	5·99	152	− 47	4·5	+0·3	38	1017
9. IRELAND, NORTH ...	73	28	58·9	46·5	52·4	*	678	+ 53	12	− 2	36	− 5	5·39	136	− 51	3·7	+0·3	31	1015
10. IRELAND, SOUTH ...	77	26	60·9	47·7	54·0	*	775	+ 71	12	− 0	38	+ 3	7·39	187	+ 10	4·3	+0·3	36	1016
11. ENGLISH CHANNEL ...	77	39	62·4	50·9	56·4	*	911	− 28	0	0	28	−11	6·05	153	− 15	5·2	0·0	44	1016

THE YEAR.—Aggregates, &c., for the Period of 43 Weeks, January 3rd to October 30th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·9	41·1	46·8	*	1990	+ 10	527	− 62	181	−18	33·37	847	−182	3·7	+0·2	28	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·5	39·7	46·8	*	2131	− 96	692	+ 32	159	− 6	25·74	655	+ 31	4·2	+0·1	32	1012
2. ENGLAND, N.E.	85	20	55·9	42·5	48·9	*	2507	+ 19	418	− 73	139	−10	19·35	492	− 17	4·5	0·0	35	1013
3. ENGLAND, EAST ...	90	18	57·3	43·7	50·2	*	2859	− 16	388	−153	145	+ 1	21·30	544	+ 58	4·8	−0·1	37	1014
4. MIDLAND COUNTIES ...	87	19	57·7	41·8	49·4	*	2717	− 80	475	− 85	128	−15	21·89	558	+ 17	4·4	+0·1	34	1014
5. ENGLAND, S.E.	88	15	57·9	44·3	50·8	*	2987	−112	324	− 70	121	−16	24·21	620	+ 84	4·8	−0·1	38	1014
Western.																			
6. SCOTLAND, WEST ...	78	18	55·4	42·0	48·4	*	2393	− 15	457	+ 10	154	−18	28·71	730	−214	4·5	+0·3	35	1013
7. ENGLAND, N.W.	77	21	55·9	43·4	49·4	*	2580	− 59	353	− 44	136	−22	24·55	625	− 76	4·8	+0·5	37	1013
8. ENGLAND, S.W.	79	17	57·0	44·6	50·4	*	2837	− 98	302	− 8	150	− 6	30·39	772	+ 18	4·8	0·0	37	1014
9. IRELAND, NORTH ...	75	20	55·3	43·2	49·0	*	2485	− 31	364	+ 5	160	− 8	26·80	632	− 90	4·0	+0·1	31	1012
10. IRELAND, SOUTH ...	78	21	57·3	44·7	50·7	*	2918	+ 54	296	+ 25	180	+14	31·81	812	+ 18	4·5	+0·1	34	1014
11. ENGLISH CHANNEL ...	81	27	57·8	47·7	52·6	*	3293	−101	120	+ 11	141	−26	24·90	628	+ 5	5·5	−0·3	43	1015

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., November 4th, 1915.

FOR OFFICIAL USE

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LIMITED, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 44. FORTY-FOURTH WEEK, SUNDAY, OCTOBER 31ST, TO SATURDAY, NOVEMBER 6TH, 1915.

Price 6d., Post free 7d.
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I.—Remarks.

The weather was fair and bright during the greater part of the week in the southern and western districts. At several stations in the north-west of Great Britain and at some in Ireland there was little or no rain at any time. In the north and north-east rain was more frequent, while on the 24th it was continuous and rather heavy in the south and south-east of England. The total for the week was less than the average except in England East and South-East and in the English Channel. Temperature was below the average in all districts—as much as 5° in central England, and about 5°·5 in western England and also in Ireland South. The highest of the maxima ranged from 58° in the English Channel to 52° in England East. Frost occurred in every district except the English Channel, the minimum thermometer falling to 20° in Scotland West and England South-West, 21° in Scotland East and England North-West, and to below 25° in Ireland. As a rule the coldest night was the 1st, 2nd or 3rd. Bright sunshine was below the normal in England East and just equal to it in England North-East, while elsewhere it was above it. Generally the excess was slight but in England South-West it amounted to 2·2 hours a day, and in Scotland West, England North-West and Ireland North to about 1·5 hour per day. Aurora was observed in Scotland on the 1st, and on the 5th in Scotland, the north-west of England, and the south of Ireland.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Moderate	Very deficient	Deficient	Deficient	Very deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Very light	Light	Moderate	Heavy	Moderate	Moderate	Very light	Very light	Light	Very light	Very light	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Very abundant	Very abundant	Very abundant	Abundant	Moderate	Abundant

THE SEASON.

AUTUMN. 10 weeks from Aug. 29th, 1915.	Warmth ...	4, 3, 3	3, 3, 4	4, 3, 3	3, 4, 3	3, 3, 4	3, 1, 6	4, 2, 4	4, 2, 4	3, 3, 4	5, 2, 3	6, 0, 4	4, 2, 4
	Rainfall ...	1, 2, 7	4, 2, 4	1, 4, 5	3, 2, 5	1, 4, 5	3, 3, 4	0, 4, 6	0, 3, 7	2, 2, 6	0, 5, 5	4, 2, 4	3, 3, 4
	Sunshine ...	6, 1, 3	4, 3, 3	2, 4, 4	1, 4, 5	1, 6, 3	1, 4, 5	4, 2, 4	5, 4, 1	4, 4, 2	4, 4, 2	3, 4, 3	2, 6, 2

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 2, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, November 6th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	49	48	48·1	-0·6	Cleggan	55	52	52·7	+3·1
Wick*	47	47	47·0	-3·7	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	47	46	46·5	-1·8
Ballantrae	49	42	45·4	-3·1	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	55	51	51·8	-0·6	Eastbourne‡	53	48	50·4	-2·4
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	51	47	49·8	-1·3	Port Erin	53	51	51·5	-1·0

* Five days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts.	Lowest Reading.	Mean.	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	°/°	°	°	°	°	°	°	
0. SCOTLAND, N.	*31*																						
a, Islands .. *p Baltasound*	54	50	6th	37	2-4	45·9	38·3	42·1	- 2·4	6	0·55	14	—	2·4	+ 0·3	27							Baltasound.
a Lerwick ..	54	52	6th	33	1, 2	48·4	37·9	43·2	- 1·3	5	0·55	14	- 20	2·9	+ 0·8	33							Deerness.
a Stornoway	51	52	6th	33	1, 2	48·4	37·9	43·2	- 1·3	5	0·55	14	- 20	2·9	+ 0·8	33							Stornoway.
a Castlebay, Barra Isd.	*37*	*53*	*6th*	*38*	*4th*	*50·1*	*41·7*	*45·9*	*- 1·0*	*5*	*0·44*	*11*	—	*3·9*	—	*32*							*Castlebay.*
a Wick	81	53	6th	32	3rd	47·3	35·7	41·5	- 2·9	6	0·31	8	- 10										
p Strathpeffer	200	52	6th	31	3rd	47·4	31·4	40·9	- 2·6	1	0·02	1	- 16	1·7	- 0·6	19							Strathpeffer.
p Glencarron	500	50	6th	27	4th	44·3	34·6	39·5	- 3·5	4	0·37	9	- 44										
p Fort Augustus	68	53	6th	28	2nd	45·6	33·7	39·7	- 4·3	4	0·05	1	- 24	1·6	+ 0·1	18							Fort Augustus.
p Fort William	171	53	6th	27	2nd	45·9	33·9	39·9	- 4·9	1	0·06	2	- 44										
a Leith	18	52	6th	32	2nd	46·9	35·6	41·3	- 4·6	2	0·21	6	- 6	2·2	—	24	5	18	42·6	- 2·8	47·2	- 1·8	Crathes.
a West Linton	769	48	6th	21	2nd	43·3	29·3	36·3	- 4·7	5	0·35	9	—	*2·3*	—	*26*							*Gordon Castle.*
p Marchmont	498	51	6th	33	2, 3	45·4	34·1	39·8	- 3·5	6	1·10	28	+ 8	1·3	- 0·9	14	2	29					Nairn.
a Edinburgh	*441*	*51*	*6th*	*32*	*2nd*	*44·7*	*36·3*	*40·5*	—	*3*	*0·19*	*5*	—	1·7	—	19	4	27					Aberdeen.
																							Balmoral.
																							Balruddery.
1. SCOTLAND, E.																							
p Gordon Castle	101	54	6th	28	1st	48·4	34·0	41·2	- 3·1	5	0·57	14	- 5										
a Nairn	82	52	6th	27	1st	46·7	32·4	39·6	- 4·3	6	0·22	6	- 7	2·8	—	31							
a Aberdeen	46	54	6th	31	2nd	47·6	35·7	41·7	- 2·9	4	0·31	8	- 9	2·7	+ 0·1	30							
a Balmoral	930	?	?	23	2nd	?	31·0	?	?	3	0·15	4	- 19				6	20			47·9	- 0·6	Aberdeen.
p Crieff	432	54	6th	29	2, 3	47·9	32·4	40·2	- 4·0	1	0·05	1	- 23	2·9		32							Balmoral.
																							Balruddery.
a Leith	18	52	6th	32	2nd	46·9	35·6	41·3	- 4·6	2	0·21	6	- 6										
a West Linton	769	48	6th	21	2nd	43·3	29·3	36·3	- 4·7	5	0·35	9	—	*2·0*	—	*22*	7	16					*West Linton.*
p Marchmont	498	51	6th	33	2, 3	45·4	34·1	39·8	- 3·5	6	1·10	28	+ 8	1·3	- 0·9	14	2	29					Marchmont.
a Edinburgh	*441*	*51*	*6th*	*32*	*2nd*	*44·7*	*36·3*	*40·5*	—	*3*	*0·19*	*5*	—	1·7	—	19	4	27					Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	53	6th	26	2-4	48·7	33·0	40·9	- 4·7	2	0·07	2	- 28										
p Glasgow Observatory	180	51	6th	31	2, 3	47·0	35·7	41·4	- 3·4	1	0·01	0	- 20	2·8	+ 1·2	31	4	19					Glasgow.
p Rothesay	170	51	6th	33	2, 3	47·4	38·0	42·7	- 2·8	1	0·02	1	- 24	*4·8*	—	*53*	3	24	42·3		48·4	- 1·0	*Rothesay.*
a Kilmarnock	90	52	6th	20	4th	47·3	29·6	38·5	- 6·3	3	0·04	1	—	*2·7*	—	*30*							*Kilmarnock.*
a Colmonell	170	53	5th	24	2, 3	49·0	31·0	40·0	- 5·0	1	0·02	1	- 28				5	18					
a Dumfries	160	50	31st	29	3rd	46·9	35·3	41·1	- 4·4	0	0·00	0	- 22	*2·4*	—	*26*	5	23	41·9		49·0		*Dumfries.*
Eskdalemuir	*799*	*49*	*6th*	*26*	*3rd*	*45·4*	*30·4*	*37·9*	—	*4*	*0·07*	*2*	—	*3·2*	—	*35*							*Eskdalemuir.*
p Cally, Gatehouse	120	53	1st	26	3rd	48·1	30·6	39·4	- 5·4	0	0·00	0	- 30										
b, I. OF MAN. *p* Douglas	277	51	5th	37	2, 6	48·4	39·3	43·9	- 3·1	3	0·07	2	- 25	4·9	+ 2·2	53	2	30					Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	51	6th	28	6th	46·3	35·1	40·7	- 3·9	6	0·89	23	+ 2	1·6	—	17	5	24	40·1	- 3·8	46·7	- 1·1	Cockle Park.
a Tynemouth	71	49	6th	34	31, 6	47·0	37·7	42·4	- 3·3	4	0·91	23	+ 7										*Tynemouth.*
p Durham	336	51	6th	28	6th	46·4	33·9	40·2	- 4·4	5	0·61	13	- 4	2·0	- 0·4	22	4	23					Durham.
a, North .. *p* Rounton	249	50	31, 6	28	31st	46·7	32·9	39·8	- 4·2	0	0·41	11	- 7				5	24	43·9				Rounton.
a West Witton	*605*	*50*	*6th*	*27*	*6th*	*45·0*	*34·0*	*39·5*	—	*4*	*0·17*	*4*	—				6	21	42·1		47·9		*West Witton.*
p Scarborough	100	53	31st	38	6th	49·3	40·7	45·0	- 1·4	3	0·43	11	- 7	3·2	—	34					52·6†		Scarborough.
p York	56	50	31, 6	33	3, 6	47·9	36·1	42·0	- 3·7	5	0·16	4	- 10	3·8	+ 1·7	40			46·4	- 2·3	51·2	- 0·7	York.
a Spurn Head	26	51	31st	34	3rd	48·1	39·4	43·8	- 3·4	7	0·72	18	+ 6	*1·9*	—	*20*							*Spurn Head.*
b, South .. *a* Lincoln	58	49	6th	31	3rd	46·9	33·8	40·4	- 5·2	4	0·21	5	- 8						42·4	- 5·0	50·8	- 0·9	Lincoln.
a Fulbeck	180	49	6th	29	3rd	45·9	33·7	39·8	- 5·4	7	0·61	16	+ 3	1·7	—	18	3	29	44·7	- 2·4	51·5	- 0·8	Rauceby.
														1·5	—	16							Skegness.
3. ENGLAND, E.																							
p Cromer	196	51	31st	40	31, 6	48·6	42·6	45·6	- 0·4	6	0·30	8	—	0·9	—	10							Cromer.
p Little Massingham	280	49	6th	33	31st	46·7	37·0	41·9	- 3·6	6	0·87	22	+ 6	1·6	- 0·9	17	2	29					Lit. Massingham.
a, North .. *a* Yarmouth	13	51	3, 4	40	5th	49·9	43·6	46·8	- 0·1	5	0·43	11	- 5	2·5	—	27			49·0	+1·2	52·9	- 0·5	Yarmouth.
a Norwich	93	50	31, 6	32	6th	48·4	39·3	43·9	- 1·3	?	0·35	24	—	*1·7*	—	*18*	3	26	44·7				*Norwich.*
a Geldeston	37	52	31, 3, 6	35	6th	50·7	40·3	45·5	- 1·3	7	0·87	22	+ 7	1·9	- 0·8	20							Geldeston.
p Cambridge	41	51	6th	31	6th	48·1	37·4	42·8	- 3·2	5	0·11	3	- 10	1·8	- 0·9	19	1	30	46·4	- 1·8	52·4	- 0·7	Cambridge.
a Clacton-on-Sea	54	51	1, 4	35	3, 4	49·4	38·4	43·9	- 3·8	3	0·59	15	—	2·6	—	27	0	33	47·1	- 4·1	52·9	- 1·0	Clacton.
b, South .. *a* Rothamsted	424	47	31, 6	32	3rd	45·7	35·6	40·7	- 4·1	4	1·04	26	+ 9	2·1	- 0·6	22	5	27	45·9				Rothamsted.
p Tottenham	51	49	31st	34	3rd	47·6	38·4	43·0	- 3·6	2	1·22	31	—	2·3	—	24	1	30			53·4	- 1·4	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	49	6th	30	31st	45·0	34·4	39·7	- 4·8	4	0·15	4	- 13	3·2	—	31	5	25	43·3	- 3·7	47·7	- 1·3	Harrogate.
p Buxton	*987*														—								*Buxton.*
a Bawtry	65	50	6th	30	31st	46·1	34·9	40·5	- 4·5	3	0·33	8	- 5	2·4	—	26	1	29	43·8	- 3·4	50·0	- 1·1	Sheffield.
a Nottingham	82	49	6th	30	31st	46·7	36·3	41·5	- 4·1	3	0·28	7	- 6	2·8	+ 0·6	30	6	22	43·5		49·1		Worksop.
b, East .. *p* Birmingham, Edgbsn.	535	46	6th	31	3rd	45·0	35·6	40·3	- 5·2	2	0·12	3	- 11	2·5	—	27	1	29	41·0	- 5·2	49·4	- 2·0	Nottingham.
a Raunds	203	49	6th	28	31st	47·0	33·3	40·2	- 5·1	3	0·25	6	—	1·9	—	29	5	22	43·5	- 3·2	50·2	- 0·5	Birmingham.
p Oxford	208	49	31, 4	32	3rd	47·6	36·9	42·3	- 4·0	3	0·94	24	+ 9	*2·7*	—	*29*	6	24	48·3		53·9		*Raunds.*
														2·5	- 0·1	26	4	23					Oxford.
a Cheadle	646	47	3, 6	30	3, 4, 6	45·6	32·9	39·3	- 5·2	1	0·32	8	- 9				5	27					Cheadle.
p Shrewsbury	191	48	1, 2, 6	24	3rd	47·3	31·6	39·5	- 6·6	1	0·04	1	—				5	20					Shrewsbury.
c, West .. *a* Hereford§	291	48	31, 5	26	3rd	46·0	32·0	39·0	- 7·0	1	1·15	29	+ 15	*3·4*	—	*35*	5	22	43·5	—	50·6		*Malvern.*§
a Cirencester	446																						Cirencester.
a Bath	66	53	31st	29	3, 4	49·0	34·3	41·7	- 5·5	2	1·10	28	+ 11	3·7	—	39			46·4	- 4·0	52·6	- 2·3	Bath.
5. ENGLAND, S.E																							
a Marlborough	424	50	31st	27	3rd	47·0	33·1	40·1	- 4·7	2	1·36	35	+ 15	4·7	—	49	0	32	46·9	- 3·2	53·2	- 1·4	Worthing.
a Margate	53	52	4th	42	3, 6	49·9	43·1	46·5	- 1·7	5	1·01	26	+ 10	?	?	?	5	19	46·1‡		52·0		Marlborough.
a Wisley, Surrey	150	51	31st	30	3rd	48·0	34·9	41·5	- 5·7	2	1·22	31	—	1·3	- 1·5	14	0	37	48·0	- 0·2	52·9	0·0	Margate.
a Salisbury (Wilton)	180	52	1st	28	3rd	49·7	34·1	41·9	- 4·9	4	1·35	34	+ 14	1·6	—	17	5	18	45·7	- 2·4	51·0	- 1·6	Wisley.
a Tunbridge Wells	354	50	31st	30	3rd	49·1	37·0	43·1	- 3·3	3	1·13	29	+ 9	1·8	- 1·0	19	4	21	47·2	- 0·9	52·6		Salisbury.
																							Tunbridge Wells.
a Dungeness	21	52	31, 1, 4	31	3, 4	50·0	39·6	44·8	- 4·3	4	0·39	10	- 7										
p Hastings	178	52	31, 1	36	3rd	49·7	39·7	44·7	- 4·1	4	0·65	17	- 3	3·5	+ 0·4	36	0	31	47·1		52·9		Littlestone.
p Southampton	64	53	31st	31	3rd	49·4	38·7	44·1	- 4·3	2	1·05	27	+ 7	3·9	+ 1·1	41	2	24					Hastings.
a Ventnor	59	56	31st	34	3rd	50·9	40·9	45·9	- 3·9	2	0·71	18	+ 4	5·5	+ 2·4	57							Southampton.
LONDON. *p* Kew	18	50	31, 1	33	3rd	47·8	37·9	42·9	- 3·6	2	1·00	25	+ *11*	2·0	- 0·3	21	3	24	44·8	- 3·3	51·4	- 1·7	Ventnor.
a Westminster	*27*	*51*	*31, 1*	*35*	*3rd*	*49·6*	*39·5*	*44·6*	*- 2·0*	*3*	*1·20*	*30*	*+ 16*	*1·4*	*- 0·2*	*15*	0	33					Kew.
a Greenwich	*155*	*50*	*31, 1*	*35*	*3rd*	*48·7*	*38·0*	*43·4*	*- 3·2*	*2*	*1·03*	*26*	*+ 12*	*1·5*	*- 0·7*	*16*	4	28					*Westminster.*
a Hampstead	*450*	*48*	*31st*	*30*	*3rd*	*46·3*	*36·0*	*41·2*	—	*3*	*1·52*	*39*	—	*2·9*	—	*30*	6	18					*Greenwich.*
a Camden Square	*110*	*50*	*31, 1, 4*	*34*	*3rd*	*49·0*	*38·1*	*43·6*	—	*3*	*1·32*	*34*	—	*2·1*	—	*22*	0	31					*Hampstead.*
																							Camden Square.
7. *a*, ENGLAND, N.W.														3·7	—	39							Hoylake.
p Aspatria	250	48	31, 1, 6	26	3, 4	45·7	30·1	37·9	- 7·1	1	0·03	1	- 23	2·4	—	26	5	18	42·2		49·5		Aspatria.
p Newton Rigg	559	47	31, 5, 6	21	6th	45·1	29·7	37·4	- 6·2	3	0·04	1	- 21	2·4	+ 0·2	26	7	18	42·6	- 4·5	48·3	- 1·5	Newton Rigg.
p Stonyhurst	375	47	31, 1, 5	27	3rd	46·0	34·0	40·0	- 4·7	2	0·02	0·4	- 26	3·7	+ 1·5	39	5	23					Stonyhurst.
p Blackpool	66	49	31, 1, 5, 6	28	3rd	48·0	33·3	40·7	- 5·9	0	0·00	0	- 22	4·5	+ 2·2	48	5	19	45·3		51·9		Blackpool.
a Southport	*37*	*50*	*6th*	*27*	*3, 6*	*47·7*	*33·9*	*40·8*	*- 5·5*	*1*	*0·01*	*0*	*- 21*	*4·6*	*+ 2·4*	*49*	5	19	39·9	- 6·3	48·3	- 2·5	*Southport.*
a Liverpool (Bidston)	188	49	1, 6	34	4, 5	46·6	35·7	41·2	- 5·7	1	0·12	3	- 15	*3·6*	—	*38*	*	*	*	*	*	*	*Liverpool.*
a Hawarden Bridge	*22*	*51*	*6th*	*31*	*3rd*	*48·1*	*35·9*	*42·0*	*- 5·6*	*2*	*0·04*	*1*	*- 15*	*1·2*	—	*13*	4	22	43·0	- 4·3	52·4	- 0·4	*Manchester (City)*
p Manchester (Whit. Pk.)	125	48	1st	26	3rd	46·6	35·6	41·1	- 4·6	2	0·04	1	- 17	*0·6*	*- 0·7*	*6*	*	*	*	*	*	*	" (*Whit. Park*)
b NORTH WALES.																							
p Llandudno	71	52	5th	32	6th	48·3	38·3	43·3	- 5·2	1	0·01	0·2	- 20	3·5	+ 1·2	37	*	*	*	*	*	*	Llandudno.
a Holyhead	15	53	5th	38	4th	49·7	41·9	45·8	- 2·9	5	0·35	9	- 14	*3·1*	—	*33*	*	*					*Holyhead.*
p Bettws-y-Coed	*148*	*49*	*5th*	*26*	*4th*	*46·6*	*32·6*	*39·6*	*- 8·4*	*2*	*0·30*	*5*	—	*3·1*	—	*33*	*	*	42·0	- 4·2	48·7	- 1·9	*Bettws-y-Coed.*
														5·5	—	59	*	*	*	*	*	*	Aberdovey.

At 3 ft.

The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average.	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														5·6	—	60							Aberystwyth.
a Llangammarch Wells	550	49	5, 6	20	3rd	46·4	29·0	37·7	− 7·0	1	0·30	8	—	3·5	—	36	?6	19	42·7	−5·1	49·8	−2·7	Llangammarch.
a Pembroke	149	53	31st	36	6th	49·4	40·3	44·9	− 4·8	3	0·48	12	− 11	5·1	+ 2·4	53							Pembroke.
p Cardiff	202	51	31st	31	3rd	47·7	37·6	42·7	− 3·6	1	0·77	20	− 6	*4·6*	—	*48*	2	27	45·6	−2·2	52·2	−0·5	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	53	31st	30	3rd	47·6	36·0	41·8	− 5·2	2	0·85	22	+ 2	*4·0*	—	*42*	4	28					*Clifton.*
a Shaftesbury	722	51	31st	32	3, 6	46·3	36·4	41·4	− 4·9	2	1·26	32	+ 11						45·5		51·4		Shaftesbury.
a Arlington	613	52	31st	28	3, 4	47·4	35·6	41·5	− 5·2	2	0·51	13	− 23										Arlington.
a Newquay	*190*																						Newquay.
a Cullompton	202	53	31st	26	3rd	47·7	34·3	41·0	− 6·0	3	0·78	20	− 2	4·4	+ 1·9	46	6	22	46·1				Cullompton.
a Portland Bill	19	56	31st	37	4, 6	49·9	41·4	45·7	− 4·4	1	0·79	20	—	*5·2*	—	*54*							*Weymouth.*
p Plymouth	116	55	31st	34	3rd	50·4	40·9	45·7	− 3·7	1	0·54	14	− 8	4·8	+ 1·9	49			46·2	−4·4	52·9		Plymouth.
a Falmouth	167	54	31st	35	3, 4	50·4	38·6	44·5	− 5·5	1	0·31	8	− 20	4·8	+ 1·5	49	2	28	49·5		54·7		Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	53	6th	37	2nd	49·7	40·7	45·2	− 2·0	2	0·24	6	− 13	*3·2*	—	*35*							*Malin Head.*
a Blacksod Point ..	?	51	5, 6	35	4th	48·6	38·7	43·7	− 4·7	6	0·51	13	− 17										
p Markree Castle ..	122	51	1, 5, 6	22	2nd	51·4	31·3	41·4	− 4·1	1	0·07	2	− 22	3·1	+ 0·7	33	4	20	46·3		51·8		Markree Castle.
a Birr Castle	175	50	5th	23	3rd	46·9	29·4	38·2	− 7·1	1	0·04	1	− 17	*3·0*	+ *0·3*	*32*							*Birr Castle.*
b, East .. { *p* Armagh	196	52	5th	29	2, 4	48·6	34·4	41·5	− 4·1	3	0·09	2	− 14	4·5	+ 2·0	48	5	20	45·3	−2·7	50·8	−0·9	Armagh.
a Donaghadee	101	50	31, 5	39	31st	48·0	41·7	44·9	− 2·1	3	0·17	4	− 13				4	26	46·2	−2·5	50·5	−1·5	Trinity Coll.
10. IRELAND, S.														3·1	+ 0·1	33	2	28					Phœnix Park.
a, East .. { *p* Dublin, City	47	50	31, 5	33	3rd	47·7	39·3	43·5	− 4·2	3	0·76	19	+ 4				2	29					Dublin City.
a Kilkenny	212	50	31, 5	28	3rd	48·1	34·1	41·1	− 5·0	3	0·07	2	− 16										
a Waterford	20	57	31st	30	3rd	49·4	36·6	43·0	− 4·3	5	0·30	8	− 14										
a Seskin, Carrick-on-Suir	*541*	*49*	*31st*	*31*	*3rd*	*46·4*	*35·6*	*41·0*	—	*1*	*0·19*	*5*	—	*3·2*	—	*34*	3	26					*Seskin.*
b, West .. { *a* Birr Castle	175	50	5th	23	3rd	46·9	29·4	38·2	− 7·1	1	0·04	1	− 17	3·0	+ 0·3	32							Birr Castle.
a Foynes	50	52	6th	30	3rd	47·7	36·6	42·2	− 5·3	1	0·03	1	− 21										
a Cahir	199	50	1, 5	24	3rd	48·1	33·4	40·8	− 6·5	1	0·04	1	—										
a Killarney	174	54	5th	26	3rd	49·6	33·6	41·6	− 6·4	2	0·06	2	− 31										
a Valencia	30	52	31, 5, 6	29	3, 4	50·3	36·9	43·6	− 5·9	2	0·13	3	− 29	3·1	+ 0·3	32							Valencia.
a Roche's Point	32	52	31, 1, 3	36	3, 4	50·7	39·0	44·9	− 4·5	5	0·20	5	− 19										Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	57	31st	41	5th	51·3	43·1	47·2	− 4·8	4	0·40	10	− 10	4·4	+ 1·2	45							Scilly.
a Jersey, St. Aubins ..	25	58	31st	43	3, 4	54·1	45·4	49·8	− 1·9	5	1·79	45	+ 20	4·2	+ 0·8	43							St. Heliers.
a Guernsey (Villa Carey)	180	56	6th	42	3rd	52·9	45·1	49·0	− 2·5	4	1·25	32	+ 6	3·1	+ 0·2	32	0	35	50·8	−1·7	55·1	−1·2	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, November 6th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.		Date and Hour.		Highest Gust with Date and Time.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.			m/s.	d.	h. m.
1. SCOTLAND, E. Dyce	75	115**	—	—	—	—	—	78	90	0	ESE.	5	31st	3h.	11	31st	0 . 36
Aberdeen*	105	37 ‖ 52 ‖	—	—	—	—	61	92	15	0	E. by N.	9	1st	5h.	14	31st	23 . 18
Edinburgh	39	31	—	—	—	—	13	138	8	9	WSW.	11	6th	22h.	15	6th	21 . 54
6. SCOTLAND, W. Eskdalemuir ..	50	22	—	—	—	—	54	76	38	0	NE.	10	1st	13h.	18	1st	13 . 5
Paisley (Coats Obs.)	81	52	—	—	—	—	7	79	82	0	W.	6	6th	22h.	14	1st	12 . 35
2. ENGLAND, N.E. Alnwick Castle ..	70	17	—	—	—	—	7	97	64	0	SE. by E.	7	31st	13h.	13	31st	12 . 14
South Shields ..	61	12	—	—	31, 1	18	72	72	6	0	SE. by E.	15	31st	14h.	19	31st	13 . 44
Spurn Head ..	40	†	—	—	31 to 2, 4	55	82	22	0	9	SE.	15	31st	21h.	19	1st	22 . 42
3. ENGLAND, E. Gorleston	42	‡	—	—	31 to 4	67	78	23	0	0	—	17	1st	16h.	21	2nd	8 . 37
Shoeburyness ..	90	‡	—	—	31, 1	14	89	64	0	1	SE.	15	31st	12h.	18	31st	11 . 39
4. MIDLAND COUNTIES. Benson	84	‡	—	—	31st	1	70	57	40	0	ESE.	11	31st	10h.	16	31st	10 . 17
5. ENGLAND, S.E. Dover	40	‡	—	—	31 to 3	46	98	13	13	0	—	15	2nd	1h.	21	2nd	1 . 24
Warlingham ..	33	‡	No Record—instrument under repair.														
Brighton	53	6	—	—	31st	6	88	71	3	0	—	13	31st	8h.	21	31st	8 . 35
Kew†	65	6 ‖ 22 ‖	—	—	—	—	61	86	21	0	N. by E.	8	2nd	11h.	15	2nd	10 . 52
South Kensington ..	92	30	—	—	—	—	9	119	40	0	ENE.	7	1st	2h.	12	1st	18 . 52
7. ENGLAND, N.W. Carnforth	56	23	—	—	—	—	20	43	105	0	E.	8	31st	16h.	15	31st	16 . 3
Southport	62	48	—	—	31, 1	19	77	63	9	0	E. by N.	14	31st	19h.	20	31st	17 . 28
Holyhead*	40	‡	—	—	31, 1	41	80	44	3	0	E. by S.	17	31st	7h.	22	31st	7 . 15
8. ENGLAND, S.W. Pendennis Castle§ ..	65	24	31st	2	31 to 2, 4, 5	63	94	9	0	0	S.	19	31st	10h.	24	31st	9 . 58
Plymouth	88	2	—	—	31, 4	4	66	77	19	2	—	14	31st	2h.	21	31st	2 . 25
10. IRELAND, S. Quilty	40	‡	—	—	—	—	69	82	17	0	—	10	31st	9 h.	18	31st	8 . 40
Weaver Pt.	30	‡	—	—	31st	4	91	72	1	0	—	13	31st	15h.	18	31st	15 . 3
11. ENGLISH CHANNEL. Scilly*	32 19	‡	—	—	31, 1, 4	21	94	51	2	0	—	15	31st	23h.	21	31st	23 . 33

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTY-FOURTH WEEK—October 31st to November 6th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	27	46·4	35·5	41·0	− 3·0	12	− 15	26	+ 15	4	− 2	0·27	7	− 26	2·2	+0·3	24	1016
Eastern.																			
1. SCOTLAND, EAST ...	54	21	46·6	33·4	40·0	− 3·2	13	− 15	33	+ 18	4	− 1	0·37	10	− 9	2·3	+0·1	25	1015
2. ENGLAND, N.E.	53	28	47·2	35·9	41·6	− 4·0	15	− 19	25	+ 18	5	+ 1	0·54	14	− 3	2·3	0·0	24	1012
3. ENGLAND, EAST ...	52	31	48·3	39·2	43·8	− 2·5	24	− 15	8	0	5	+ 1	0·71	18	+ 4	2·0	−0·8	20	1008
4. MIDLAND COUNTIES ...	53	24	46·5	34·2	40·4	− 5·0	13	− 23	31	+ 21	2	− 2	0·47	12	− 5	2·7	+0·5	29	1010
5. ENGLAND, S.E.	56	27	49·2	37·9	43·6	− 4·4	28	− 19	11	+ 6	3	− 1	0·99	25	+ 4	3·0	+0·4	32	1007
Western.																			
6. SCOTLAND, WEST ...	53	20	47·9	34·1	41·0	− 4·8	17	− 17	32	+ 24	1	− 4	0·03	1	− 32	3·9	+1·8	41	1015
7. ENGLAND, N.W.	53	21	47·0	34·8	40·9	− 5·7	14	− 24	29	+ 23	2	− 3	0·08	2	− 21	3·7	+1·6	39	1012
8. ENGLAND, S.W.	56	20	48·3	37·0	42·7	− 5·5	26	− 22	14	+ 10	2	− 3	0 66	17	− 11	4·7	+2·2	49	1009
9. IRELAND, NORTH ...	53	22	48·9	36·0	42·5	− 3·6	29	− 7	17	+ 10	3	− 2	0·19	5	− 19	3·8	+1·4	41	1015
10. IRELAND, SOUTH ...	57	23	48·7	35·4	42·1	− 5·5	28	− 18	18	+ 12	3	− 2	0·18	5	− 20	3·1	+0·4	32	1013
11. ENGLISH CHANNEL ...	58	41	52·8	44·5	48·7	− 2·9	47	− 20	0	0	4	− 1	1·15	29	+ 5	3·9	+0·9	40	1006

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 10 Weeks, August 29th to November 6th, 1915.

0. SCOTLAND, NORTH ...	76	27	54·8	43·2	48·8	*	532	− 3	50	+ 7	36	−14	5·63	143	−150	3·5	+0·6	30	1016
Eastern.																			
1. SCOTLAND, EAST ...	77	21	56·4	40·8	48·3	*	542	− 33	95	+ 40	34	− 8	6·85	175	+ 11	3·8	+0·4	33	1017
2. ENGLAND, N.E.	76	27	57·5	44·3	50·6	*	645	− 30	40	+ 17	28	− 9	3·58	93	− 54	3·8	0·0	32	1017
3. ENGLAND, EAST ...	80	27	59·1	46·2	52·4	*	749	− 20	15	− 13	30	− 6	3·98	101	− 37	4·0	−0·2	34	1016
4. MIDLAND COUNTIES ...	80	24	58·6	43·1	50·6	*	660	− 44	55	+ 18	21	−15	3·50	90	− 58	3·5	−0·2	30	1017
5. ENGLAND, S.E.	78	27	59·9	46·1	52·8	*	778	− 72	17	− 1	25	−10	6·09	156	− 10	4·2	−0·1	36	1016
Western.																			
6. SCOTLAND, WEST ...	73	20	56·9	43·5	50·0	*	616	− 17	55	+ 25	29	−13	5·23	132	−139	3·7	+0·2	32	1017
7. ENGLAND, N.W.	76	21	58·1	44·8	51·2	*	677	− 38	38	+ 21	25	−15	3·31	84	−124	4·3	+0·8	37	1016
8. ENGLAND, S.W.	78	20	59·0	46·2	52·4	*	753	− 51	18	+ 5	34	− 6	6·65	169	− 58	4·5	+0·4	39	1016
9. IRELAND, NORTH ...	73	22	57·9	45·4	51·5	*	707	+ 46	29	+ 8	39	− 7	5·58	141	− 70	3·7	+0·4	32	1015
10. IRELAND, SOUTH ...	77	23	59·7	46·4	52·8	*	803	+ 53	30	+ 12	41	+ 1	7·57	192	− 10	4·2	+0·4	36	1015
11. ENGLISH CHANNEL ...	77	39	61·4	50·3	55·7	*	958	− 48	0	0	32	−12	7·20	182	− 10	5·1	+0·1	43	1015

THE YEAR.—Aggregates, &c., for the Period of 44 Weeks, January 3rd to November 6th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·7	41·0	46·6	*	2002	− 5	553	− 47	185	−20	33·64	854	−208	3·6	+0·2	28	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·3	39·6	46·6	*	2144	−111	725	+ 50	163	− 7	26·11	665	+ 22	4·2	+0·1	32	1012
2. ENGLAND, N.E.	85	20	55·7	42·3	48·7	*	2522	0	443	− 55	144	− 9	19·89	506	− 20	4·5	+0·1	35	1013
3. ENGLAND, EAST ...	90	18	57·1	43·6	50·0	*	2883	− 31	396	−153	150	+ 2	22·01	562	+ 62	4·7	−0·1	37	1014
4. MIDLAND COUNTIES ...	87	19	57·4	41·6	49·2	*	2730	−103	506	− 64	130	−17	22·36	570	+ 12	4·3	0·0	34	1014
5. ENGLAND, S.E.	88	15	57·7	44·1	50·6	*	3015	−131	335	− 64	124	−17	25·20	645	+ 88	4·8	−0·1	37	1014
Western.																			
6. SCOTLAND, WEST ...	78	18	55·2	41·9	48·3	*	2410	− 32	489	+ 34	155	−22	28·74	731	−246	4·5	+0·3	35	1013
7. ENGLAND, N.W.	77	21	55·7	43·2	49·2	*	2594	− 83	382	− 21	138	−25	24·63	627	− 97	4·8	+0·5	37	1013
8. ENGLAND, S.W.	79	17	56·8	44·5	50·2	*	2863	−120	316	+ 2	152	− 9	31·05	789	+ 7	4·8	0·0	37	1014
9. IRELAND, NORTH ...	75	20	55·2	43·0	48·9	*	2514	− 38	381	+ 15	183	−10	26·99	687	−109	4·0	+0·1	31	1012
10. IRELAND, SOUTH ...	78	21	57·1	44·5	50·5	*	2946	+ 16	314	+ 37	183	+12	31·99	817	− 2	4·4	0·0	34	1014
11. ENGLISH CHANNEL ...	81	27	57 7	47·6	52·5	*	3340	−121	120	+ 11	145	−27	26·05	657	+ 10	5·4	−0·4	43	1014

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., November 11th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 45. FORTY-FIFTH WEEK, SUNDAY, NOVEMBER 7TH, TO SATURDAY, NOVEMBER 13TH, 1915.

Price 6d., Post free 7d.
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I.—Remarks.

The week generally was marked by unsettled conditions, which became more pronounced at the end, the second half being very wet, with frequent and heavy falls of rain, and at times hail, sleet or snow. For the whole week the rainfall exceeded the average in all parts of the British Isles, the excess amounting to 25 mm. and upwards in several districts, to 52 mm. in Ireland South. In many places the precipitation was continuous or nearly so during the 11th and 12th. The largest of the daily records were 47 mm. at Gordon Castle on the 9th; 45 mm. at Tenby, and 48 mm. at Llangammarch Wells on the 11th; 45 mm. at Shankill, 48 mm. at Phœnix Park, and 80 mm. at Little Massingham on the 12th; and 46 mm. at Bettws-y-Coed on the 13th. There was deficiency of temperature everywhere. At various times there were afternoon maxima as high as 55° to 59°, but towards the close of the week there were many values as low as 35° to 39°. Slight night frost occurred very generally. The results show that the means for the week were 3° below the average in several districts, 4½° in Scotland North. As a rule bright sunshine differed but little from the average. Aurora was reported at Aberdeen on the 7th; a thunderstorm at Markree Castle on the 9th, and at Tunbridge Wells on the 12th; thunder at Blackpool on the 11th; and lightning at Rothamsted on the 10th, and at Southend on the 13th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Deficient
	Rainfall ...	Heavy	Very heavy	Heavy	Very heavy	Very heavy	Heavy	Moderate	Heavy	Heavy	Very heavy	Very heavy	Heavy
	Sunshine ...	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Moderate

THE SEASON.

AUTUMN. 11 weeks from Aug. 29th, 1915.	Warmth ...	4, 3, 4	3, 3, 5	4, 4, 3	3, 5, 3	3, 4, 4	3, 2, 6	4, 2, 5	4, 3, 4	3, 4, 4	5, 2, 4	6, 0, 5	4, 2, 5
	Rainfall ...	2, 2, 7	5, 2, 4	2, 4, 5	4, 2, 5	2, 4, 5	4, 3, 4	0, 5, 6	1, 3, 7	3, 2, 6	1, 5, 5	5, 2, 4	4, 3, 4
	Sunshine ...	6, 2, 3	4, 4, 3	3, 4, 4	1, 5, 5	1, 7, 3	1, 5, 5	4, 3, 4	5, 5, 1	4, 4, 3	4, 4, 3	3, 5, 3	2, 7, 2

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, November 13th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	48	46	46·8	−1·0	Cleggan	53	50	51·4	+3·0
Wick*	47	47	47·0	−3·0					
					ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	48	46	46·9	−0·4
Ballantrae	49	43	45·4	−1·8					
					ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	51	50	50·7	−1·2
Scilly	—	—	—	—					
Plymouth‡	54	52	52·9	−1·6	ENGLAND, S.E.				
					Eastbourne‡	51	47	48·9	−2·7
IRELAND, N.W.									
Sheephaven	51	47	48·8	−0·8	ENGLAND, N.W.				
					Port Erin	52	50	50·9	−0·5

* Three days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(6556—19.) Wt. 160—610. 450. 11/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average	
	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
a, Islands ..	*p Baltasound*	*31*												*	*	*	*	*	*	*	*	*	*Baltasound.*
	a Lerwick	54	47	7th	34	12th	41·7	37·3	39·5	– 4·1	7	2·44	62	—	0·9	– 0·8	11	*	*	*	*	*	Deerness.
	a Stornoway	51	49	7th	32	11th	42·7	36·7	39·7	– 4·2	7	1·65	42	+ 8	1·8	0·0	22	*	*	*	*	*	Stornoway.
	a Castlebay, Barra Isd. ..	*37*	*51*	*7th*	*35*	*13th*	*45·1*	*39·4*	*42·3*	– *4·3*	*6*	*1·30*	*33*	—	*1·4*	—	*16*	*	*	*	*	*	*Castlebay.*
b, Mainland.	*a* Wick	81	47	7th	33	9th	43·0	35·7	39·4	– 4·0	6	2·32	59	+ 42	*	*	*	*	*	*	*	*	*	Strathpeffer.
	p Strathpeffer	200	52	7th	29	11, 12	43·9	33·6	38·8	– 3·7	5	1·47	37	+ 20	1·0	– 1·0	12	*	*	*	*	*	*	
	p Glencarron	500	50	7th	?23	12th	?42·5	?32·3	?37·4	– 4·8	7	2·25	57	+ 4	*	*	*	*	*	*	*	*	*	
	p Fort Augustus.. ..	68	52	7th	27	12th	42·6	33·7	38·2	– 5·0	6	2·00	51	+ 26	0·3	– 0·8	4	*	*	*	*	*	*	Fort Augustus.
	p Fort William	171	51	7th	29	11, 12	43·1	35·0	39·1	– 4·6	4	1·41	36	– 10	*	*	*	*	*	*	*	*	*	
1. SCOTLAND, E.																							
	p Gordon Castle	101	51	7th	31	13th	42·7	34·7	38·7	– 4·7	6	2·69	68	+ 51	1·5	—	17	4	22	41·8	– 1·7	45·5	– 2·5	Crathes.
	a Nairn	82	50	7th	28	12th	41·6	35·4	38·5	– 4·3	7	1·98	50	+ 33	0·2	—	2	*	*	*	*	*	*	*Gordon Castle.*
	a Aberdeen	46	52	7th	32	12th	44·1	37·6	40·9	– 2·7	6	1·50	38	+ 21	1·5	– 0·7	18	*	*	*	*	*	*	Nairn.
	a Balmoral	930	56	7th	21	12th	47·6	32·4	40·0	0·0	6	3·60	91	+ 68	*	*	*	4	19	*	*	*	*	Aberdeen.
	p Crieff	432	53	7th	27	12th	44·4	34·9	39·7	– 3·3	3	1·04	26	+ 1	2·7	—	31	*	*	*	*	*	*	Balmoral.
	a Leith	18	53	7th	33	11, 12	45·9	38·3	42·1	– 2·7	3	0·94	24	+ 13	*	*	*	*	*	*	*	*	*	Balruddery.
	a West Linton	769	49	7th	23	12th	41·4	33·1	37·3	– 2·6	6	1·36	35	—	*2·3*	—	*27*	4	21	*	*	*	*	
	p Marchmont	498	52	7th	30	12th	44·4	35·1	39·8	– 2·5	6	0·91	23	+ 4	2·4	+ 0·4	28	3	25	*	*	*	*	*West Linton.*
	a Edinburgh	*441*	*53*	*10, 11*	*32*	*11, 13*	*48·7*	*36·7*	*42·7*	—	*5*	*0·72*	*18*	—	3·0	—	35	2	23	*	*	*	*	Marchmont.
																								Edinburgh.
6. *a* SCOTLAND, W.																							
	a Poltalloch	132	52	7th	31	13th	45·3	37·4	41·4	– 3·2	3	2·50	64	+ 33	*	*	*	*	*	*	*	*	*	
	p Glasgow Observatory	180	53	7th	34	11–13	45·3	37·6	41·5	– 2·5	3	0·98	25	+ 4	1·8	+ 0·5	21	3	24	*	*	*	*	Glasgow.
	p Rothesay	170	51	7th	34	13th	45·7	37·9	41·8	– 2·9	3	1·16	29	+ 3	*2·1*	—	*24*	2	26	42·4	*	47·0	– 1·3	*Rothesay.*
	a Kilmarnock	90	52	7th	28	13th	45·6	36·6	41·1	– 2·5	5	0·92	23	—	*1·6*	—	*18*	*	*	*	*	*	*	*Kilmarnock.*
	a Colmonell	170	50	8, 9	31	12th	47·0	38·7	42·9	– 0·8	4	0·88	22	– 8	*	*	*	1	24	*	*	*	*	
	a Dumfries	160	53	7th	30	11th	45·7	37·0	41·4	– 2·7	4	0·76	19	– 4	*2·4*	—	*28*	3	23	42·1	*	47·1	*	*Dumfries.*
	Eskdalemuir	*799*	*49*	*7th*	*27*	*12th*	*42·1*	*33·9*	*38·0*	—	*5*	*1·97*	*50*	—	*2·7*	—	*31*	*	*	*	*	*	*	*Eskdalemuir.*
	p Cally, Gatehouse ..	120	51	7, 8	27	11th	46·3	36·4	41·4	– 2·5	4	1·53	39	+ 8	*	*	*	*	*	*	*	*	*	
b, I. OF MAN.	*p* Douglas	277	53	8, 9	35	12, 13	47·6	40·1	43·9	– 2·3	7	2·90	74	+ 47	1·8	– 0·6	20	0	33	*	*	*	*	Douglas.
2. ENGLAND, N.E.																							
	a Alnwick Castle ..	210	53	7th	29	12th	45·9	37·4	41·7	– 2·3	4	0·64	16	– 4	3·6	—	41	2	25	40·1	– 1·8	45·6	– 0·8	Cockle Park.
	a Tynemouth	71	52	7, 8	33	11, 12	46·4	38·0	42·2	– 2·5	3	0·63	16	+ 2	*	*	*	*	*	*	*	*	*	*Tynemouth.*
	p Durham	336	51	8th	27	12th	45·6	35·6	40·6	– 3·0	4	0·81	21	+ 6	3·2	+ 1·1	36	2	25	*	*	*	*	Durham.
a, North ..	*p* Rounton	249	54	7th	28	12th	46·6	35·6	41·1	– 2·3	4	0·72	18	+ 2	*	*	*	3	22	42·9	*	*	*	Rounton.
	a West Witton	*605*	*50*	*7, 8*	*30*	*12th*	*44·0*	*35·4*	*40·2*	—	*5*	*1·66*	*42*	—				3	23	41·6	*	46·3	*	*West Witton.*
	p Scarborough	100	56	7th	35	11–13	48·6	38·1	43·4	– 2·0	4	0·98	25	+ 9	3·1	—	35	*	*	*	*	54·4†	*	Scarborough.
	p York	56	54	7th	32	13th	47·9	38·9	43·4	– 1·0	4	0·88	22	+ 9	3·1	+ 1·4	35	*	*	45·2	– 1·7	49·4	– 1·3	York.
b, South ..	*a* Spurn Head	26	52	7th	38	12, 13	47·6	40·1	43·9	– 2·1	6	1·16	29	+ 18	*2·1*	—	*24*	*	*	*	*	*	*	*Spurn Head.*
	a Lincoln	58	54	7th	34	11th	48·3	37·9	43·1	– 1·1	5	1·13	29	+ 17	*	*	*	*	*	42·0	– 3·4	49·7	– 0·8	Lincoln.
	a Fulbeck	180	53	7, 8	34	11th	46·9	36·9	41·9	– 2·1	6	1·35	34	+ 22	1·9	—	21	2	29	43·8	– 1·5	49·8	– 1·4	Raceby.
															2·2	—	24	*	*	*	*	*	*	Skegness.
3. ENGLAND, E.																							
a, North ..	*p* Cromer	196	53	8th	36	10th	49·3	38·4	43·9	+ 0·1	6	1·48	38	—	2·1	—	23	*	*	*	*	*	*	Cromer.
	p Little Massingham ..	280	51	8th	32	13th	48·1	35·1	41·6	– 3·7	4	3·61	92	+ 77	1·9	– 0·3	21	1	30	*	*	*	*	Lit. Massingham.
	a Yarmouth	13	55	9, 12	36	12th	49·9	38·4	44·2	– 1·3	4	1·14	29	+ 14	1·8	—	20	*	*	46·6	+1·5	51·4	– 0·3	Yarmouth.
	a Norwich	93	53	12th	35	7, 11	49·9	37·6	43·8	– 0·4	5	1·60	41	—	*2·1*	—	*23*	2	29	43·1	*	*	*	*Norwich.*
	a Geldeston	37	56	12th	34	7th	49·4	37·7	43·6	– 1·8	4	1·22	31	+ 17	1·9	– 0·5	21	*	*	*	*	*	*	Geldeston.
b, East ..	*p* Cambridge	41	56	12th	29	7th	51·7	36·1	43·9	– 0·9	4	1·16	29	+ 17	2·3	– 0·1	25	3	27	44·7	– 1·3	50·5	– 1·0	Cambridge.
	a Clacton-on-Sea ..	54	52	12th	30	7th	48·1	36·3	42·2	– 1·0	4	1·19	30	—	1·6	—	18	1	29	45·0	– 1·3	51·0	– 1·4	Clacton.
	a Rothamsted	424	54	12th	28	7th	47·7	35·1	41·4	– 2·6	5	1·58	40	+ 23	2·3	– 0·1	25	4	24	44·1	*	*	*	Rothamsted.
	p Tottenham	51	57	12th	34	7th	50·6	38·7	44·7	– 0·7	3	1·68	43	—	1·5	—	16	0	31	*	*	51·5	– 1·6	Tottenham.
4. MIDLAND COUNTIES.																							
a North ..	*a* Harrogate	479	52	7th	32	11, 12	44·9	37·4	41·2	– 2·3	4	1·24	32	+ 15	3·5	—	39	2	26	42·9	– 2·5	46·2	– 1·5	Harrogate.
	p Buxton	*987*	*49*	*7, 8*	*31*	*13th*	*43·3*	*35·3*	*39·3*	– *2·4*	*6*	*2·35*	*60*	+ *30*	*1·7*	—	*19*	5	28	40·8	– 2·8	48·0	– 1·4	*Buxton.*
															2·5	—	28	1	30	43·4	– 2·0	48·7	– 1·3	Sheffield.
b, East ..	*a* Bawtry	65	54	7, 8	35	11, 13	48·6	39·0	43·8	– 0·5	5	1·88	48	+ 37	2·0	+ 0·1	22	4	23	43·0	*	47·4	*	Worksop.
	a Nottingham	82	54	8th	35	11th	47·6	37·9	42·8	– 1·9	5	1·74	44	+ 32	1·4	—	16	2	30	41·3	– 3·0	47·2	– 2·5	Nottingham.
	p Birmingham, Edgbsn.	535	51	8th	32	13th	46·3	35·4	40·9	– 2·6	6	2·32	59	+ 45	1·9	—	21	4	28	43·2	– 2·2	49·0	– 0·9	Birmingham.
	a Raunds	203	54	8th	28	7th	48·3	34·6	41·5	– 2·5	4	1·67	43	—	*2·3*	—	*25*	4	23	46·3	*	*	*	*Raunds.*
	p Oxford	208	57	12th	31	7th	50·3	36·9	43·6	– 1·4	4	1·84	46	+ 32	2·5	+ 0·2	27	2	24	*	*	*	*	Oxford.
c, West ..	*a* Cheadle	646	53	8th	31	13th	44·9	35·1	40·0	– 3·5	6	2·22	56	+ 39	*	*	*	3	30	*	*	*	*	Cheadle.
	p Shrewsbury	191	55	8th	33	12, 13	49·7	36·6	43·2	– 1·8	5	2·54	65	—	*	*	*	3	29	*	*	*	*	Shrewsbury.
	a Hereford§	291	57	8th	31	7th	48·9	36·0	42·5	– 2·2	4	1·81	46	+ 32	*2·1*	—	*23*	5	26	42·7	—	48·6	*	*Malvern.§*
	a Cirencester	446													*	*	*	*	*	*	*	*	*	Cirencester.
	a Bath	66	59	12th	29	7th	51·7	34·9	43·3	– 2·7	5	1·67	42	+ 24	2·1	—	23	*	*	*	*	*	*	Bath.
5. ENGLAND, S.E.																							
	a Marlborough	424	55	12th	26	7th	50·1	34·9	42·5	– 1·2	4	1·71	44	+ 24	2·9	—	31	0	33	45·6	+1·0	51·4	– 1·6	Worthing.
	a Margate	53	57	12th	38	7, 10	51·4	39·1	45·3	– 1·7	3	1·16	30	+ 15	1·9	– 0·3	21	4	22	44·1	—	50·6	*	Margate.
	a Wisley, Surrey ..	150	56	11, 12	31	7th	50·9	37·4	44·2	– 1·9	3	1·12	28	—	1·3	– 1·2	14	0	33	46·7	+0·2	51·2	0·0	Wisley.
	p Salisbury (Wilton) ..	180	56	12th	27	7th	50·7	35·0	42·9	– 1·9	3	1·73	44	+ 24	2·0	—	22	2	24	44·9	– 1·1	49·4	– 1·9	Salisbury.
	a Tunbridge Wells ..	354	56	11, 12	31	7th	51·1	36·9	44·0	– 1·1	4	1·93	49	+ 29	*	*	*	3	26	44·3	*	*	*	Tunbridge Wells.
															1·6	– 0·9	18	3	24	46·4	+1·0	51·1	*	
	a Dungeness	21	56	12th	28	7th	51·6	36·0	43·8	– 4·0	4	2·17	55	+ 39	*	*	*	*	*	*	*	*	*	Littlestone.
	p Hastings..	178	55	12th	31	10th	51·4	38·6	45·0	– 2·5	4	1·48	38	+ 19	2·9	+ 0·1	31	4	28	45·2	*	51·1	*	Hastings.
	p Southampton	64	56	12th	27	7th	51·3	37·9	44·6	– 2·5	4	1·63	46	+ 26	2·2	– 0·3	24	3	21	*	*	*	*	Southampton.
	a Ventnor	59	57	12th	28	13th	53·3	42·3	47·8	– 1·1	4	1·89	48	+ 32	3·3	+ 0·5	25	*	*	*	*	*	*	Ventnor.
LONDON.	*p* Kew	18	57	12th	32	7th	50·5	37·8	44·2	– 1·2	3	1·35	34	+ 20	1·9	– 0·1	21	2	28	43·3	– 2·8	49·8	– 1·9	Kew.
	a Westminster	*27*	*58*	*12th*	*33*	*7th*	*51·7*	*37·4*	*44·6*	– *0·9*	*3*	*1·30*	*33*	+ *19*	*1·6*	+ *0·4*	*18*	0	31	*	*	*	*	*Westminster.*
	a Greenwich	*155*	*58*	*12th*	*33*	*7th*	*49·9*	*37·7*	*43·8*	– *1·6*	*3*	*1·23*	*31*	+ *17*	*1·5*	– *0·4*	*16*	2	27	*	*	*	*	*Greenwich.*
	a Hampstead	*450*	*55*	*12th*	*30*	*7th*	*48·0*	*34·2*	*41·1*	—	*3*	*1·42*	*36*	—	*2·0*	—	*22*	5	20	*	*	*	*	*Hampstead.*
	a Camden Square ..	*110*	*57*	*12th*	*33*	*7th*	*50·0*	*37·1*	*43·6*	—	*3*	*1·48*	*38*	—	*1·3*	—	*14*	1	30	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
	p Aspatria	250	52	7th	31	13th	45·9	37·4	41·7	– 2·3	4	1·20	31	+ 6	1·7	—	19	*	*	*	*	*	*	Hoylake.
	p Newton Rigg	559	51	8th	27	12th	45·7	35·7	40·7	– 1·8	4	0·84	21	0	2·2	—	25	2	28	42·9	*	48·1	*	Aspatria.
	p Stonyhurst	375	51	7, 8	33	13th	45·7	38·9	42·3	– 1·5	5	1·52	39	+ 13	2·2	+ 0·2	25	3	21	42·5	– 2·9	46·8	– 1·8	Newton Rigg.
	p Blackpool	66	52	7, 8	36	12, 13	47·7	41·4	44·6	– 1·2	6	1·25	32	+ 10	2·5	+ 0·6	28	1	28	*	*	*	*	Stonyhurst.
	a Southport	*37*	*52*	*7, 8*	*31*	*7th*	*47·0*	*39·9*	*43·6*	– *2·0*	*6*	*1·46*	*37*	+ *16*	*2·2*	+ *0·2*	*25*	0	31	45·4	*	50·5	*	Blackpool.
	a Liverpool (Bidston) ..	188	55	8th	35	13th	47·6	39·7	43·7	– 1·6	6	1·65	42	+ 25	*2·1*	+ *0·3*	*24*	0	33	42·3	– 1·9	46·4	– 2·7	*Southport.*
	a Hawarden Bridge ..	*22*	*57*	*8th*	*31*	*13th*	*48·9*	*39·6*	*44·3*	– *2·3*	*6*	*2·60*	*66*	+ *52*	*1·8*	—	*20*	*	*	*	*	*	*	*Liverpool.*
	p Manchester (Whit. Pk.)	125	54	8th	36	13th	47·3	40·3	43·8	– 1·2	5	1·35	34	+ 17	*1·0*	—	*11*	0	32	42·6	– 4·7	49·9	– 2·9	*Manchester (City)*
															1·1	+ *0·1*	*12*	*	*	*	*	*	*	" *(Whit. Park)*
b NORTH WALES.																							
	p Llandudno	71	53	8th	36	13th	48·4	41·0	44·7	– 2·8	7	2·37	60	+ 41	1·8	– 0·3	20	*	*	*	*	*	*	Llandudno.
	a Holyhead	15	55	8th	38	13th	48·9	43·3	46·1	– 1·7	4	2·72	69	+ 45	*1·9*	—	*21*	*	*	*	*	*	*	*Holyhead.*
	p Bettws-y-Coed	*148*	*53*	*8th*	*34*	*12, 13*	*47·7*	*38·6*	*43·2*	– *4·2*	*7*	*3·34*	*85*	—	*1·2*	—	*13*	*	*	42·6	– 1·9	48·0	– 1·5	*Bettws-y-Coed.*
															1·8	—	20	*	*	*	*	*	*	Aberdovey.

† At 3 ft

§ The temperature on the grass refers to Hereford

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. Degrees Fahrenheit. Highest.	Date,	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Difference from average.	Earth 4 ft. Mean.	Difference from average	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.																							
a Llangammarch Wells	550	51	8th	29	7th	46·0	35·3	40·7	− 2·9	7	3·88	99	—	1·3	—	14	*	*	*	*	*	*	Aberystwyth.
a Pembroke	149	54	11, 12	32	13th	51·1	42·9	47·0	− 1·9	6	1·81	46	+ 23	2·3	− 0·1	25	*	*	42·1	−4·0	47·9	−3·0	Llangammarch.
p Cardiff	202	53	8th	32	7th	49·1	36·1	42·6	− 2·7	5	2·17	55	+ 30	*2·1*	—	*23*	2	28	44·1	−1·4	50·3	−1·0	Pembroke.
																							Cardiff.
b, ENGLAND, S.W.																							
a Clifton	229	56	12th	31	7th	50·4	38·7	44·6	− 1·4	6	1·43	36	+ 16	*2·1*	—	*23*	1	28	*	*	*	*	*Clifton.*
a Shaftesbury	722	54	12th	32	7th	49·6	36·7	43·2	− 1·8	3	1·10	28	+ 8	*	*	*	*	*	44·6	*	50·4	*	Shaftesbury.
a Arlington	613	54	11, 12	30	7th	50·1	37·3	43·7	− 1·9	7	3·15	80	+ 45	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*56*	*12th*	*30*	*7th*	*51·5*	*40·9*	*46·2*	− *2·8*	7	*1·11*	*28*	+ 9	1·3	− 1·5	14	1	25	47·7	*	51·8	*	Newquay.
a Cullompton	202	57	12th	26	7th	52·3	35·7	44·0	− 2·0	7	1·84	47	+ 26	1·6	− 0·6	17	3	21	44·9	*	*	*	Cullompton.
a Portland Bill	19	56	12th	39	7th	52·6	43·4	48·0	− 1·0	5	1·34	34	—	*2·4*	—	*26*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	57	8th	33	7th	52·0	41·6	46·8	− 1·6	7	2·22	57	+ 35	1·6	− 1·0	17	*	*	45·4	−3·9	51·1	*	Plymouth.
a Falmouth	167	56	8th	34	7th	52·4	39·7	46·1	− 3·1	6	2·47	63	+ 35	1·9	− 1·0	21	1	25	48·0	*	52·9	*	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	51	7, 8	39	11, 13	46·3	42·1	44·2	− 2·1	6	2·05	52	+ 33	*1·1*	—	*13*	*	*	*	*	*	*	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	52	7, 8	35	12, 13	45·9	39·3	42·6	− 4·9	7	1·57	40	+ 10	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	56	8th	30	13th	48·3	37·0	42·7	− 1·8	7	2·70	69	+ 44	0·7	− 1·4	8	2	29	45·2	*	50·4	*	Markree Castle.
a Birr Castle	175	53	7, 8	32	13th	45·7	36·0	40·9	− 3·7	6	2·60	66	+ 47	*2·8*	+ *0·4*	*31*	*	*	*	*	*	*	*Birr Castle.*
b, East .. *p* Armagh ..	196	52	8th	32	13th	45·4	37·3	41·4	− 3·2	5	1·09	28	+ 11	1·6	− 0·6	18	2	24	44·9	−1·1	49·2	−1·2	Armagh.
a Donaghadee	101	52	8th	30	13th	46·3	38·9	42·6	− 3·4	6	0·91	23	+ 5	*	*	*	*	*	*	*	*	*	*
														*	*	*	2	28	45·3	−1·6	49·0	−1·7	Trinity Coll.
10. IRELAND, S.														3·4	+ 0·7	38	0	32	*	*	*	*	Phœnix Park.
p Dublin, City	47	55	8th	34	13th	47·4	39·0	43·2	− 3·6	3	2·80	71	+ 54	*	*	*	1	29	*	*	*	*	Dublin City.
a East .. *a* Kilkenny	212	54	7, 8	31	11th	47·3	36·9	42·1	− 2·9	7	1·92	49	+ 30	*	*	*	*	*	*	*	*	*	*
a Waterford	20	59	7th	34	13th	47·6	39·3	43·5	− 3·0	4	1·70	43	+ 20	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*53*	*7th*	*32*	*12, 13*	*46·6*	*36·4*	*41·5*	—	*6*	*2·35*	*60*	—	*2·9*	—	*32*	1	30	*	*	*	*	*Seskin.*
a Birr Castle	175	53	7, 8	32	13th	45·7	36·0	40·9	− 3·7	6	2·60	66	+ 47	2·8	+ 0·4	31	*	*	*	*	*	*	Birr Castle.
a Foynes	50	54	7, 8	31	13th	47·0	40·1	43·6	− 2·9	7	4·10	104	+ 81	*	*	*	*	*	*	*	*	*	*
a Cahir	199	53	7th	33	11, 13	46·6	38·3	42·5	− 3·8	6	3·30	84	—	*	*	*	*	*	*	*	*	*	*
b, West .. *a* Killarney	174	56	7th	34	13th	49·1	39·9	44·5	− 2·4	7	3·73	95	+ 61	*	*	*	*	*	*	*	*	*	*
a Valencia	30	55	11th	38	13th	51·9	42·3	47·1	− 1·7	7	4·81	122	+ 89	1·3	− 1·2	14	*	*	*	*	*	*	Valencia.
a Roche's Point	32	56	7th	37	13th	51·0	41·4	46·2	− 2·2	6	2·76	70	+ 45	1·2	—	13	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	8, 11, 12	40	7th	52·6	43·7	48·2	− 2·8	7	1·31	33	+ 13	2·3	− 0·6	25	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	59	12th	37	7th	54·9	43·3	49·1	− 1·2	6	1·93	49	+ 25	2·7	− 0·3	29	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	58	8th	42	13th	54·3	45·1	49·7	− 0·7	7	2·60	66	+ 40	2·5	0·0	27	0	35	49·9	−0·9	53·5	−1·3	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, November 13th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
1. SCOTLAND, E.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.	m/s. d. h. m.
Dyce	75	‡15**	—	—	—	—	26	112	30	0	N. by W.	9	10th 15h.	23	10th 19 . 8
Aberdeen*	105	37 ‖	—	—	9 to 11, 13	20	69	70	9	0	NW. by N.	15	10th 18h.	25	10th 15 . 59
		52 ‖											
Edinburgh	39	31	—	—	9, 10, 12	18	97	45	8	0	SW.	14	9th 11h.	23	9th 10 . 48
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	10th	4	9, 10, 12, 13	56	69	32	7	0	NW. by N.	18	10th 16h.	26	10th 14 . 3
Paisley (Coats Obs.)	81	52	—	—	7, 9	2	68	87	11	0	SW. by S.	11	9th 7h.	25	9th 6 . 52
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	10th	3	70	48	47	0	NW. by N.	12	10th 17h.	24	10th 16 . 45
South Shields ..	61	12	—	—	9, 10, 12, 13	25	98	38	7	0	NE.	15	12th 22h.	22	12th 21 . 50
Spurn Head	40	‡	12, 13	8	9 to 13	66	75	19	0	0	ENE.	21	13th 2h.	27	13th 3 . 18
3. ENGLAND, E.													
Gorleston	42	‡	13th	2	9, 13	7	89	70	0	0	—	19	13th 5h.	26	13th 5 . 25
Shoeburyness ..	90	‡	—	—	9, 11 to 13	19	75	71	3	0	NW.	14	13th 9h.	23	13th 3 . 41
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	13th	6	68	56	38	0	NNW.	14	13th 4h.	23	13th 6 . 49
5. ENGLAND, S.E.													
Dover	40	‡	9, 13	7	9, 11 to 13	32	84	50	15	0	—	21	13th 6h.	29	13th 7 . 10
Warlingham ..	33	‡	—	—	—	—	46	107	15	0	—	11	9th 14h.	20	13th 5 . 52
Brighton	53	6	—	—	9, 11, 13	10	61	81	16	0	—	12	9th 14h.	22	9th 13 . 50
Kew†	65	6 ‖	—	—	13th	1	44	95	28	0	N.	11	13th 3h.	20	13th 2 . 37
		22 ‖											
South Kensington ..	92	30	—	—	—	—	19	100	49	0	NW.	8	13th 7h.	17	13th 6 . 29
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	12th	1	74	76	17	0	NE. by N.	11	12th 16h.	20	12th 15 . 43
Southport	62	48	9, 10, 12, 13	21	8 to 13	67	69	11	0	0	NW. by W.	20	10th 8h.	28	12th 13 . 18
Holyhead*	40	‡	10 to 13	47	8 to 13	53	62	6	0	0	NE. by N.	25	12th 22h.	34	12th 21 . 38
8. ENGLAND, S.W.													
Pendennis Castle§ ..	65	24	9, 11 to 13	26	9 to 13	49	56	36	1	0	N.	28	13th 3h.	39	13th 3 . 20
Plymouth	88	2	12, 13	8	9, 11 to 13	39	50	48	23	0	—	20	13th 3h.	32	13th 3 . 18
10. IRELAND, S.													
Quilty	40	‡	12th	11	8 to 13	85	67	5	0	0	—	24	12th 15h.	34	12th 14 . 15
Weaver Pt.	30	‡	12th	8	9 to 13	21	69	66	4	0	—	24	12th 20h.	38	12th 20 . 40
11. ENGLISH CHANNEL.													
Scilly*	32	‡	10, 12, 13	16	9 to 13	73	50	21	8	0	NNW.	29	13th 1h.	39	13th 0 . 45
	19												

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** Above tops of trees.

‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTY-FIFTH WEEK—November 7th to November 13th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
			Means of				Accumulated Number of Day-Degrees.												
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	52	23	42·8	34·9	38·9	− 4·6	2	− 22	26	+ 14	6	+ 1	1·93	49	+ 17	1·0	−0·4	12	995
Eastern.																			
1. SCOTLAND, EAST ...	56	21	44·0	35·2	39·6	− 3·2	6	− 18	25	+ 8	5	+ 1	1·75	44	+ 25	1·9	0·0	22	994
2. ENGLAND, N.E.	56	27	47·1	37·6	42·4	− 2·2	21	− 8	12	+ 2	4	0	0·92	23	+ 8	2·9	+0·9	32	994
3. ENGLAND, EAST ...	57	28	49·4	37·0	43·3	− 1·8	30	− 3	14	+ 3	4	0	1·63	41	+ 28	1·9	−0·5	21	996
4. MIDLAND COUNTIES ...	59	28	48·1	36·4	42·3	− 2·0	26	− 5	16	+ 3	5	+ 1	1·89	48	+ 32	2·3	+0·3	25	1000
5. ENGLAND, S.E.	57	26	51·2	37·6	44·4	− 2·5	35	− 6	12	+ 5	4	0	1·64	42	+ 22	2·2	−0·1	24	999
Western.																			
6. SCOTLAND, WEST ...	53	27	46·1	37·7	41·9	− 3·0	11	− 19	18	+ 10	4	− 1	1·45	37	+ 3	1·8	0·0	21	994
7. ENGLAND, N.W.	55	27	47·2	39·7	43·4	− 2·3	19	− 14	6	− 1	5	0	1·61	41	+ 19	2·1	+0·3	23	997
8. ENGLAND, S.W.	57	26	50·6	38·7	44·7	− 2·7	33	− 7	9	+ 4	6	+ 1	2·15	55	+ 28	1·6	−0·6	18	1001
9. IRELAND, NORTH ...	56	30	46·3	38·4	42·4	− 2·9	18	− 14	10	+ 2	6	+ 1	1·82	46	+ 22	1·2	−1·0	13	998
10. IRELAND, SOUTH ...	59	31	48·2	39·2	43·7	− 3·1	24	− 17	8	+ 1	6	+ 1	3·08	78	+ 52	2·2	−0·2	24	1001
11. ENGLISH CHANNEL ...	59	37	53·9	44·0	49·0	− 1·8	49	− 13	0	0	7	+ 2	1·95	49	+ 24	2·5	−0·2	27	1004

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 11 Weeks, August 29th to November 13th, 1915.

0. SCOTLAND, NORTH ...	76	23	53·7	42·5	47·9	*	534	− 25	76	+ 21	42	−13	7·56	192	−133	3·3	+0·6	29	1014
Eastern.																			
1. SCOTLAND, EAST ...	77	21	55·2	40·3	47·5	*	548	− 51	120	+ 48	39	− 7	8·60	219	+ 36	3·6	+0·3	32	1015
2. ENGLAND, N.E.	76	27	56·5	45·7	49·9	*	666	− 38	52	+ 19	32	− 9	4·50	116	− 46	3·7	+0·1	32	1015
3. ENGLAND, EAST ...	80	27	58·2	45·3	51·6	*	779	− 23	29	− 10	34	− 6	5·61	142	− 9	3·8	−0·2	33	1014
4. MIDLAND COUNTIES ...	80	24	57·6	42·5	49·8	*	686	− 49	71	+ 21	26	−14	5·39	138	− 26	3·4	−0·1	30	1015
5. ENGLAND, S.E.	78	26	59·1	45·3	52·0	*	813	− 78	29	+ 4	29	−10	7·73	198	+ 12	4·0	−0·1	35	1014
Western.																			
6. SCOTLAND, WEST ...	73	20	55·9	43·0	49·2	*	627	− 36	73	+ 35	33	−14	6·68	169	−136	3·5	+0·2	31	1015
7. ENGLAND, N.W.	76	21	57·1	44·3	50·5	*	696	− 52	44	+ 20	30	−15	4·92	125	−105	4·1	+0·8	36	1014
8. ENGLAND, S.W.	78	20	58·2	45·5	51·7	*	786	− 58	27	+ 9	40	− 5	8·80	224	− 30	4·3	+0·4	37	1014
9. IRELAND, NORTH ...	73	22	56·9	44·8	50·6	*	725	+ 32	39	+ 10	45	− 6	7·40	187	− 48	3·5	+0·3	31	1013
10. IRELAND, SOUTH ...	77	23	58·6	45·8	52·0	*	827	+ 36	38	+ 13	47	+ 2	10·65	270	+ 42	4·0	+0·3	35	1014
11. ENGLISH CHANNEL ...	77	37	60·8	49·7	55·1	*	1007	− 61	0	0	39	−10	9·15	231	+ 14	4·8	0·0	42	1014

THE YEAR.—Aggregates, &c., for the Period of 45 Weeks, January 3rd to November 13th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·5	40·9	46·5	*	2004	− 27	579	− 33	191	−19	35·57	903	−191	3·6	+0·2	28	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	11	54·1	39·5	46·5	*	2150	−129	750	+ 58	168	− 6	27·86	709	+ 47	4·1	+0·1	32	1012
2. ENGLAND, N.E.	85	20	55·5	42·2	48·6	*	2543	− 8	455	− 53	148	− 9	20·81	529	− 12	4·5	+0·1	35	1013
3. ENGLAND, EAST ...	90	18	56·9	43·4	49·9	*	2913	− 34	410	−150	154	+ 2	23·64	603	+ 90	4·7	−0·1	37	1013
4. MIDLAND COUNTIES ...	87	19	57·2	41·5	49·0	*	2756	−108	522	− 61	135	−16	24·25	618	+ 44	4·3	+0·1	34	1014
5. ENGLAND, S.E.	88	15	57·6	44·0	50·5	*	3050	−137	347	− 59	128	−17	26·84	687	+110	4·8	0·0	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	18	55·0	41·8	48·1	*	2421	− 51	507	+ 44	159	−23	30·19	768	−243	4·4	+0·3	34	1013
7. ENGLAND, N.W.	77	21	55·5	43·1	49·1	*	2613	− 97	388	− 22	143	−25	26·24	668	− 78	4·7	+0·5	37	1013
8. ENGLAND, S.W.	79	17	56·6	44·3	50·1	*	2896	−127	325	+ 6	158	− 8	33·20	844	+ 35	4·7	0·0	37	1014
9. IRELAND, NORTH ...	75	20	55·0	42·9	48·7	*	2532	− 52	391	+ 17	189	− 9	28·81	733	− 87	3·9	+0·1	31	1012
10. IRELAND, SOUTH ...	78	21	56·9	44·3	50·4	*	2970	− 1	322	+ 38	189	+13	35·07	895	+ 50	4·4	+0·1	34	1014
11. ENGLISH CHANNEL ...	81	27	57 6	47·5	52·4	*	3389	−134	120	+ 11	152	−25	28·00	706	+ 34	5·4	−0·3	42	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., November 18th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LIMITED, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 46. FORTY-SIXTH WEEK, SUNDAY, NOVEMBER 14TH, TO SATURDAY, NOVEMBER 20TH, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The period was very much less disturbed than the immediately preceding week, though there were falls of rain, hail and snow in the earlier days. As a general rule, the precipitation was of an unimportant character, but on the 15th snow fell to a depth of 5 cm. at a number of places, 8 cm. at Dumfries and Rothesay, 10 cm. at Glasgow, and 13 cm. at Blackpool. Next morning 9 cm. fell at Southend. At West Witton, in Yorkshire, the snow was lying to a depth of 13 cm. on the 16th, and in the heavy drifts on the neighbouring hills a man lost his life. With these local exceptions the week was very dry, several localities having no precipitation, and the general results for the districts were in nearly all cases only a small fraction of the average, the greatest deficiency being in Ireland South. The most notable feature of the period was the abnormal cold, which was common to all parts of the kingdom, the deficiency of the mean temperatures ranging from 7° in England East and the English Channel to nearly 12° in Scotland West. It was the coldest forty-sixth week of the present century. Severe frost in the shade was experienced in all districts, there being numerous minima below 20°, as low as 10° at Balmoral and West Linton on the 18th. Few of the maxima touched 50°, while many were below 40°, Manchester (Whitworth Park) not exceeding 30° on the 17th, and Glencarron 27° on the 18th. Much fine weather was experienced, all districts returning a considerable excess of bright sunshine—some more than double the average—but mist or fog occurred locally. There was thunder at Douglas on the 14th, and next day at West Witton, when thunder and lightning were reported at Bognor.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ... Warmth ...	Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient
Rainfall ...	Very light	Light	Light	Moderate	Light	Light	Very light	Light	Very light	Very light	Very light	Light
Sunshine ...	Very abundant	Very abundant	Abundant	Very abundant	Very abundant	Very abundant	Abundant	Very abundant	Very abundant	Very abundant	Very abundant	Abundant

THE SEASON.

AUTUMN. 12 weeks from Aug. 29th, 1915. Warmth ...	4, 3, 5	3, 3, 6	4, 4, 4	3, 5, 4	3, 4, 5	3, 2, 7	4, 2, 6	4, 3, 5	3, 4, 5	5, 2, 5	6, 0, 6	4, 2, 6
Rainfall ...	2, 2, 8	5, 2, 5	2, 4, 6	4, 3, 5	2, 4, 6	4, 3, 5	0, 5, 7	1, 3, 8	3, 2, 7	1, 5, 6	5, 2, 5	4, 3, 5
Sunshine ...	7, 2, 3	5, 4, 3	4, 4, 4	2, 5, 5	2, 7, 3	2, 5, 5	5, 3, 4	6, 5, 1	5, 4, 3	5, 4, 3	4, 5, 3	3, 7, 2

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks. Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks. Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks. Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks. Warmth ...	5, 5 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, November 20th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	—	—	—	—	IRELAND, S.W. Cleggan	50	45	46·5	−0·7
Wick	47	45	45·7	−3·5	ENGLAND, N.E. Burnmouth, Berwick	46	42	43·5	−2·5
SCOTLAND, W. Ballantrae	46	42	44·7	−1·5	ENGLAND, E. Shipwash Lightship	—	—	—	—
ENGLAND, S.W. Scilly	—	—	—	—	ENGLAND, S.E. Eastbourne‡	49	44	46·6	−2·9
Plymouth‡	52	51	52·0	−1·1					
IRELAND, N.W. Sheephaven	47	44	45·2	−3·4	ENGLAND, N.W. Port Erin	50	48	48·4	−2·3

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(6634—19.) Wt 160—610. 450. 11/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880. GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	~		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
a, Islands .. *p* Baltasound	31																						*Baltasound.*
a Lerwick ..	54	48	20th	30	15th	42·0	34·7	38·4	– 4·6	5	0·34	9	—	2·6	+ 1·3	34	•	•	•	•	•	•	Lerwick.
a Stornoway	51	45	20th	27	18th	41·7	31·4	36·6	– 6·7	2	0·35	9	– 25	2·9	+ 1·4	37	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	37	48	20th	32	15th	44·7	37·3	41·0	– 5·2	2	0·43	11	—	3·6	—	45	•	•	•	•	•	•	*Castlebay.*
b, Mainland. *a* Wick	81	45	20th	26	15th	40·9	29·9	35·4	– 7·1	3	0·67	17	+ 1	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	39	15th	20	19th	38·7	24·3	30·5	–11·1	2	0·06	2	– 14	3·7	+ 2·2	47	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500	34	15, 20	18	15, 16, 18	31·3	20·0	25·7	–15·7	1	0·53	13	– 40	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	42	20th	17	18th	37·3	19·7	28·5	–13·7	3	0·12	3	– 22	2·8	+ 2·0	35	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	39	20th	17	18th	34·4	22·1	28·3	–14·6	1	0·15	4	– 44	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.																							
p Gordon Castle	101	45	17, 19, 20	22	19th	40·7	26·4	33·6	– 9·0	2	0·27	7	– 9	3·3	—	41	7	10	37·3	–4·4	43·7	–3·1	Crathes.
a Nairn	82	39	20th	18	19, 20	34·9	24·6	29·8	–11·9	3	0·23	6	– 6	3·3	—	42	•	•	•	•	•	•	Nairn.
a Aberdeen	46	43	20th	27	15, 16	38·3	30·0	34·2	– 8·4	3	0·12	3	– 14	1·9	0·0	24	•	•	•	•	44·8	–1·3	Aberdeen.
a Balmoral	930	42	20th	10	18th	37·6	16·6	27·1	–11·8	1	0·05	1	– 21	•	•	•	7	7	•	•	•	•	Balmoral.
p Crieff	432	43	16th	22	15th	38·3	24·3	31·3	–10·6	2	0·08	2	– 25	4·9	—	61	•	•	•	•	•	•	Balruddery.
a Leith	18	40	14th	25	15, 16, 19	37·6	26·4	32·0	–11·8	0	0·00	0	– 11	•	•	•	•	•	•	•	•	•	
a West Linton	769	41	19th	10	18th	35·6	14·4	25·0	–13·7	0	0·00	0	—	*3·3*	—	*41*	7	10	•	•	•	•	*West Linton.*
p Marchmont	498	45	18th	22	15th	41·1	26·9	34·0	– 7·3	1	0·02	1	– 18	3·0	+ 1·3	37	7	16	•	•	•	•	Marchmont.
a Edinburgh	441	41	19th	26	18th	38·3	28·7	33·5	—	1	0·01	0	—	4·1	—	51	7	16	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	41	20th	18	17, 18	39·4	22·0	30·7	–12·9	0	0·00	0	– 32	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	40	14th	17	17th	34·3	22·9	28·6	–14·4	1	0·23	6	– 16	1·1	+ 0·1	14	7	10	•	•	•	•	Glasgow.
p Rothesay	170	43	19th	28	16, 17	38·7	31·0	34·9	– 9·1	2	0·51	13	– 16	*3·8*	—	*47*	6	20	36·4	•	45·3	–1·8	*Rothesay.*
a Kilmarnock	90	41	14, 18–20	15	16th	39·4	19 1	29·3	–13·4	2	0 05	1	—	2·7	—	*33*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	46	14th	17	18th	41·6	22·9	32·3	–10·4	2	0·19	5	– 26	•	•	•	7	13	•	•	•	•	
a Dumfries	160	40	14, 19	18	17th	37·7	23·7	30 7	–12·3	1	0·10	4	– 19	*2·9*	—	*35*	7	13	36·4	•	44·9	•	*Dumfries.*
Eskdalemuir	799	40	18th	12	17th	*38·4*	*17·3*	*26·9*	—	2	*0·16*	*4*	—	*4·7*	—	*57*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	44	14, 18, 19	14	17th	40·7	21·7	31·2	–11·8	1	0·02	1	– 31	•	•	•	•	•	•	•	•	•	
b, I. OF MAN, *p* Douglas	277	45	18, 19	29	17th	42·3	34·3	38·3	– 7·2	1	0·46	12	– 16	4·3	+ 2·2	51	4	23	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a, North .. *a* Alnwick Castle	219	43	18, 20	22	15th	41·1	28·3	34·7	– 8·3	5	0 08	2	– 17	2·8	—	34	6	19	34·2	–5·6	42·8	–2·2	Cockle Park.
a Tynemouth	71	45	19th	26	16th	41·1	31·1	36·1	– 7·6	3	0·20	5	– 8	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	44	19th	21	15th	39·6	28·9	34·3	– 8·4	3	0 12	3	– 11	2·6	+ 0·7	31	6	13	•	•	•	•	Durham.
p Rounton	249	44	19th	20	15th	40·1	27·4	33·8	– 8·7	3	0·13	3	– 11	•	•	•	7	14	37·4	•	•	•	Rounton.
a West Witton	605	43	18th	23	15th	*38·0*	*25 4*	*31·2*	—	2	*0·33*	*9*	—	•	•	•	7	16	37·0	•	44·6	•	*West Witton.*
p Scarborough	100	47	19th	29	15th	43·4	35·4	39·4	– 5·0	3	0·30	8	– 7	2·6	—	31	•	•	•	•	49·7†	•	Scarborough.
p York	56	45	19, 20	24	15th	40·7	30·3	35·5	– 7·9	2	Mart	2	– 10	2·7	+ 1·3	32	•	•	41·2	–3·7	48·0	–1·3	York.
b, South .. *a* Spurn Head	26	46	19th	30	15, 16	42·3	33·7	38·0	– 7·0	5	0·28	7	– 4	2·7	—	*31*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	46	20th	25	16, 17	41·1	29 8	35·6	– 7·5	2	0·49	12	+ 1	•	•	•	•	•	36·9	–6·2	47·6	–1·6	Lincoln.
a Fulbeck	180	46	20th	22	15th	41·1	27·9	34·5	– 8·3	4	0 16	4	– 7	3·2	—	37	7	22	39·8	–3·3	48·4	–1·5	Rauceby.
														2·7	—	31	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	45	20th	31	15th	42·9	34·7	38·8	– 4·5	4	0·31	8	—	3·3	—	38	•	•	•	•	•	•	Cromer.
p Little Massingham	280	44	20th	23	15th	39·6	28·9	34·3	– 8·7	5	0·71	15	0	3·3	+ 1·4	38	7	19	•	•	•	•	Lit. Massingham.
a, North .. *a* Yarmouth	13	46	16, 19	?29	18th	43·3	?33·4	?38·4	– 5·9	2	0·51	13	– 1	4·2	—	48	•	•	42·1	–0·7	49·3	–0·5	Yarmouth.
a Norwich	93	45	20th	28	15, 16, 18	41·6	30·9	36·3	– 7·0	5	0·28	7	—	*4·0*	—	*46*	7	21	38·4	•	•	•	*Norwich.*
a Geldeston	37	48	16th	28	15, 16	44·1	31·6	37·9	– 6·3	5	0·48	12	– 1	4·6	+ 2·4	53	•	•	•	•	•	•	Geldeston.
4. MIDLAND COUNTIES.																							
b, South .. *p* Cambridge	41	44	15, 19, 20	23	15th	42·4	28·9	35·7	– 7·8	3	0·28	7	– 4	4·4	+ 2·3	51	7	22	40·8	–3·0	48·9	–1·1	Cambridge.
a Clacton-on-Sea	54	45	16, 19	28	15, 16, 19	42·4	30·7	36·6	– 8·4	2	0·20	5	—	3·9	—	45	5	25	40·6	–6·9	49·0	–1·9	Clacton.
a Rothamsted	424	42	15, 19	27	17th	40·4	29·9	35·2	– 7·8	4	0 22	6	– 10	5·6	+ 3·5	64	7	18	40·4	•	•	•	Rothamsted.
p Tottenham	51	46	14, 15	29	17th	43·1	31·9	37·5	– 7·1	3	0·23	7	—	4·5	—	52	5	22	•	•	49·3	–2·0	Tottenham.
c, West .. *a* Harrogate	479	42	20th	23	15th	38·4	28·6	33·5	– 9·0	2	0·31	8	– 9	2·5	—	30	7	15	38·4	–5·2	44·0	–2·3	Harrogate.
p Buxton	987	39	20th	19	17th	37·6	27·1	32·4	– 8·2	3	0·25	6	– 22	*3·2*	—	*37*	7	9	36·8	–4·8	46·1	–2·0	*Buxton.*
a Bawtry	65	44	20th	22	15th	40·7	28·9	34·8	– 8·2	2	0·25	6	– 5	2·7	—	31	5	20	39·3	–4·2	47·3	–1·5	Sheffield.
a Nottingham	82	46	20th	23	15th	42·1	26·9	34·5	– 8·6	2	0·25	6	– 5	2·5	+ 0·9	29	7	16	38·4	•	45·5	•	Worksop.
b, East .. *p* Birmingham, Edgbsn.	535	44	20th	28	15, 17	40·4	30·6	35·5	– 7·7	1	0·11	3	– 11	2·9	—	34	6	20	35·6	–6·4	44·9	–3·1	Nottingham.
a Raunds	203	47	14th	22	18th	43·4	26·3	34·9	– 7·8	2	0·27	7	—	3·6	—	41	7	15	39·4	–4 5	47·7	–1·4	Birmingham.
p Oxford	208	44	15, 20	25	17th	43·0	29·6	36·3	– 7·7	2	0·06	2	– 12	*4·8*	—	*55*	7	17	43·6	•	51·3	•	*Raunds.*
a Cheadle	646	45	20th	23	17th	39·9	28·4	34·2	– 8 1	1	0·31	8	– 9	5·3	+ 3·3	61	7	17	•	•	•	•	Oxford.
p Shrewsbury	191	46	15th	20	17th	43·9	25·7	34·8	– 9·2	1	0 12	3	—	•	•	•	7	19	•	•	•	•	Cheadle.
a Hereford§	291	45	20th	21	17th	42·6	25·1	33·9	– 9·6	1	0·04	1	– 13	*5·2*	—	*60*	7	20	•	•	•	•	Shrewsbury.
a Cirencester	446													•	•	•	7	16	38·4	—	46·6	•	*Malvern.*§
a Bath	66	45	16th	22	18th	42·7	26·0	34·4	–10·1	2	0·13	3	– 15	4·8	—	55	•	•	•	•	•	•	Cirencester.
5. ENGLAND, S.E.																							Bath.
a Marlborough	424	44	14th	20	17th	40·7	24·0	32·4	–10·1	1	0 10	3	– 16	6·0	—	67	7	23	40·6	–4·0	50·0	+0·1	Worthing.
a Margate	53	46	16, 19	33	16th	43·3	35·3	39·3	– 6·3	3	0·43	11	– 3	3·7	+ 1·1	43	7	14	40·4	—	49·3	•	Marlborough.
a Wisley, Surrey	150	44	15th	26	17–19	41·1	27·7	34·4	–10·4	2	0·19	5	—	3 0	+ 0·9	34	0	32	42 5	–2·8	49·2	–0·3	Margate.
p Salisbury (Wilton)	180	46	14, 15	24	17th	43·0	26·9	35 0	– 8·7	1	0·08	2	– 19	3 8	—	43	7	12	40·1	–3·9	48·0	–1·7	Wisley.
a Tunbridge Wells	354	44	15th	22	18th	41·9	27·7	34·8	– 9·2	2	0·31	8	– 12	•	•	•	7	21	39·9	•	•	•	Salisbury.
a Dungeness	21	44	15th	27	15, 16	41·9	29·4	35·7	–10·7	2	0·31	8	– 7	3·7	+ 1·4	42	6	15	41·8	–1·4	49·6	•	Tunbridge Wells.
p Hastings	178	45	15th	30	15th	43·0	32 9	38·0	– 8 0	3	0·33	8	– 11	•	•	•	•	•	•	•	•	•	
p Southampton	64	46	15th	27	15, 17, 18	43 0	29·7	36·4	– 9·6	1	0·05	1	– 18	5·8	+ 3·3	65	5	25	40·6	•	49·5	•	Littlestone.
a Ventnor	59	47	15th	30	18th	43·3	33·7	38·5	– 9·5	3	0·28	7	– 12	5·1	+ 2·9	57	7	17	•	•	•	•	Hastings.
LONDON. *p* Kew	18	43	16, 20	27	18th	41·9	30·7	36·3	– 7·8	2	0·20	5	– 8	5·5	+ 3·1	62	•	•	•	•	•	•	Southampton.
a Westminster	27	46	14th	27	15, 17	*43·5*	*30 6*	*37·1*	– 7 4	2	*0·31*	*8*	– 5	3·4	+ 1·7	39	6	19	38·8	–5·3	48·2	–2·1	Ventnor.
a Greenwich	155	43	19, 20	27	17, 18	*41·4*	*30·1*	*35·8*	– 8·7	2	*0·29*	*7*	– 6	*2·6*	+ 1·6	*30*	6	24	•	•	•	•	Kew.
a Hampstead	450	42	14th	26	15, 17	*40·4*	*27·9*	*34 2*	—	2	*0 20*	*5*	—	*3 5*	+ 1·9	*40*	7	22	•	•	•	•	*Westminster.*
a Camden Square	110	43	14, 17, 19	27	15, 17	*42·1*	*30·0*	*36·1*	—	2	*0 24*	*6*	—	*4·7*	—	*54*	7	22	•	•	•	•	*Greenwich.*
														3·4	—	*39*	7	11	•	•	•	•	*Hampstead.*
																	7	25	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	41	14, 19, 20	19	16, 17	38·7	23·3	31·0	–11·8	1	0·15	4	– 21	3·5	—	41	•	•	•	•	•	•	Hoylake.
p Newton Rigg	559	42	20th	14	17th	36·9	20·1	28·5	–12·9	1	0 08	2	– 20	4·5	—	54	7	14	37·5	•	47·0	•	Aspatria.
p Stonyhurst	375	41	18, 20	18	17th	38·6	26·1	32·4	–10 6	1	0 40	12	– 15	2·8	+ 1·1	34	7	9	37 8	–5·5	45·2	–2·1	Newton Rigg.
p Blackpool	66	42	14th	15	17th	38·6	25·0	31·8	–12·7	2	0 39	10	– 11	3·7	+ 2·1	43	7	13	•	•	•	•	Stonyhurst.
a Southport	37	42	14th	18	17th	*38·7*	*25·9*	*32·3*	*–12·0*	2	*0·49*	*12*	– 8	3·9	—	45	7	12	41·1	•	49·3	•	Blackpool.
a Liverpool (Bidston)	188	43	14th	29	18th	*3·4*	*1·8*	*40*	7	12	35·7	–6·1	44·8	–2·6	*Southport.*								
a Hawarden Bridge	22	44	19th	26	17th	41·1	32 7	36·9	– 6 8	2	0·28	7	– 9	*3·2*	—	*37*	•	•	•	•	•	•	*Liverpool.*
p Manchester (Whit. Pk.)	125	44	20th	22	17th	*41·7*	*39·7*	*35·7*	– 9·7	4	*0·31*	*8*	– 8	*0 5*	—	*6*	7	21	37·4	–5·3	48·3	–1·5	*Manchester (City)*
						38·6	28 0	33·3	–11·2	3	0 21	7	– 9	*0 3*	– *0·4*	*3*	•	•	•	•	•	•	" *(Whit. Park)*
b NORTH WALES.																							
p Llandudno	71	45	18, 20	27	17, 18	43·6	30·6	37·1	– 9·5	2	0 35	9	– 9	5·3	+ 3·4	62	•	•	•	•	•	•	Llandudno.
a Holyhead	15	49	17th	32	17–19	46·6	34·9	40·8	– 6·2	2	0·24	6	– 19	*5·3*	—	*62*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	148	41	20th	22	17th	*38·4*	*26·3*	*32·4*	*–13·9*	4	*0 92*	*23*	—	*3·2*	—	*37*	•	•	36·9	–6·1	46·3	–2·1	*Bettws-y-Coed.*
														5·4	—	62	•	•	•	•	•	•	Aberdovey.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average.	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.														5·8	—	67	*	*	*	*	*	*	
a Llangammarch Wells	550	44	20th	14	17th	41·0	24·6	32·8	- 9·8	2	0·17	4	—	4·0	—	46	7	11	38·2	-6·3	47·1	-2·8	Aberystwyth
a Pembroke	149	47	15th	31	17th	44·3	35·9	40·1	- 7·9	3	0·21	5	- 18	4·9	+ 2·8	56	*	*	*	*	*	*	Llangammarch.
p Cardiff	202	45	14th	24	17th	42·4	29·6	36·0	- 8·5	1	0·06	2	- 22	*4·9*	—	*56*	7	21	39·7	-3·8	48·8	-1·0	Pembroke.
																							Cardiff.
b, ENGLAND S.W.																							
a Clifton	229	42	14th	25	17th	36·8	29·0	32·9	-12·1	1	0·11	3	- 16	*4·4*	—	*51*	7	23	*	*	*	*	*Clifton.*
a Shaftesbury	722	43	16th	27	18th	40·0	29·6	34·8	- 9·2	0	0·00	0	- 21	*	*	*	*	*	40·7	*	48·9	*	Shaftesbury.
a Arlington	613	45	14, 17	22	17th	42·6	29·1	35·9	- 8·8	2	0·26	7	- 27	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*47*	*15th*	*30*	*17–19*	*44·0*	*33·4*	*38·7*	*- 9·6*	*2*	*0·32*	*8*	*- 11*	4·4	+ 1·8	49	5	25	44·4	*	50·8	*	Newquay.
a Cullompton	202	49	15th	19	17th	42·7	26·1	34·4	-10·6	3	0·17	4	- 18	3·8	+ 1·9	43	7	14	41·6	*	*	*	Cullompton.
a Portland Bill	19	48	15th	34	20th	44·3	35·9	40·1	- 7·8	1	0·04	1	—	*4·5*	—	*51*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	51	15th	25	17th	45·3	33·4	39·4	- 8·1	2	0·20	5	- 17	4·7	+ 2·4	53	*	*	41·1	-5·9	50·0	*	Plymouth.
a Falmouth	167	49	15th	34	16, 19	46·3	36·1	41·2	- 7·3	3	0·28	7	- 22	3·2	+ 0·6	36	5	27	45·1	*	51·6	*	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	45	18, 20	31	17th	43·1	33·4	38·3	- 7·2	2	0·24	6	- 13	*5·1*	—	*61*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	50	14th	33	17, 18	43·4	34·6	39·0	- 7·6	2	0·13	3	- 28	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	46	14, 20	20	17th	44·3	26·1	35·2	- 8·6	2	0·24	7	- 18	4·8	+ 2·9	57	7	16	41·4	*	49·2	*	Markree Castle.
a Birr Castle	175	48	20th	20	15th	43·0	25 4	34·2	- 9·3	0	0·00	0	- 19	*4·9*	+ *2·8*	*57*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	48	19th	18	17, 18	40·7	25·6	33·2	-10·5	3	0·07	2	- 16	3·4	+ 1·4	40	7	13	39·8	-4·2	47·7	-1·4	Armagh.
a Donaghadee	101	48	18th	31	15th	44·4	34·6	39·5	- 5·7	2	0 20	5	- 14	*	*	*	*	*	*	*	*	*	*
														*	*	*	7	18	39·5	-5·7	47·0	-2·3	Trinity Coll.
10. IRELAND, S.														4·3	+ 1·9	50	7	15	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	46	20th	26	17, 18	39·6	30·4	35·0	-11·0	1	0·03	1	- 16	*	*	*	6	22	*	*	*	*	Dublin City.
a Kilkenny	212	47	20th	22	17, 18	42·9	26·1	34·5	- 9·5	0	0·00	0	- 19	*	*	*	*	*	*	*	*	*	*
a Waterford ..	20	48	20th	24	15th	45·0	30·6	37·8	- 7·7	0	0·00	0	- 23	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*45*	*18, 20*	*28*	*16, 17*	*48·3*	*31·9*	*37·1*	—	*1*	*0·01*	*0·3*	—	*4·6*	—	*53*	7	22	*	*	*	*	*Seskin.*
{ *a* Birr Castle	175	48	20th	20	15th	43 0	25·4	34·2	- 9·3	0	0·00	0	- 19	4·9	+ 2·8	57	*	*	*	*	*	*	Birr Castle.
a Foynes	50	48	20th	26	18th	43·1	30·1	36·6	- 8·9	2	0·17	4	- 20	*	*	*	*	*	*	*	*	*	*
b, West .. { *a* Cahir	199	47	18, 20	25	15th	44·0	28·6	36·3	- 9·0	1	0·01	0	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	51	18th	27	16th	47·8	34·2	41·0	- 5·0	2	0·02	1	- 34	*	*	*	*	*	*	*	*	*	*
a Valencia	30	50	18, 20	32	15, 16	48·1	38·3	43·2	- 4·8	2	0·13	3	- 31	3·4	+ 1·1	39	*	*	*	*	*	*	Valencia.
a Roche's Point	32	49	17–20	33	15, 17	47 6	38·7	43·2	- 4·4	2	0·02	1	- 26	3·5	—	39	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	50	18th	40	17, 19, 20	48 7	41·0	44·9	- 5·3	3	0·29	7	- 14	3·9	+ 1·8	43	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	49	15th	30	17, 18	46·6	34·9	40·8	- 8·3	4	0·37	9	- 14	3·5	+ 0·8	39	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	52	15, 18	32	17th	48·0	37·0	42·5	- 7·0	3	0·66	17	- 10	2·0	- 0·2	22	4	25	45·5	-3·5	52·3	-0·8	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, November 20th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.			
			Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.
	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.	Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.			m/s.	m/s. d. h. m.
1. SCOTLAND, E.														
Dyce	75	‡15**	—	—	—	—	4	95	69	0	NW 6	14th 11h.	17	14th 10 . 15
Aberdeen*	105	37 / 52 ‖	—	—	14th	1	60	74	33	0	WNW. 13	14th 12h.	18	14th 15 . 50
Edinburgh	39	31	—	—	—	—	5	120	43	0	NW. by W. 6	14th 14h.	10	14th 13 . 33
6. SCOTLAND, W.														
Eskdalemuir ..	50	22	—	—	—	—	18	44	106	0	NW. by W. 8	14th 13h.	13	14th 14 . 55
Paisley (Coats Obs.)	81	52	—	—	—	—	1	34	133	0	NNW. 6	14th 13h.	11	14th 12 . 45
2. ENGLAND, N.E.														
Alnwick Castle ..	70	17	—	—	—	—	7	92	69	0	NNW. 6	16th 11h.	12	14th 10 . 25
South Shields ..	61	12	—	—	—	—	51	95	22	0	WNW. 7	16th 24h.	12	14th 13 . 39
Spurn Head	40	‡	—	—	14, 16	12	100	58	0	0	— 11	16th 15h.	15	16th 16 . 58
3. ENGLAND, E.														
Gorleston	42	‡	—	—	—	—	84	82	2	0	— 9	18th 20h.	15	18th 13 . 34
Shoeburyness ..	90	‡	—	—	—	—	74	91	3	0	— 10	18th 23h.	13	20th 8 . 29
4. MIDLAND COUNTIES.														
Benson	84	‡	—	—	—	—	4	82	82	0	ENE. 7	20th 12h.	12	20th 11 . 50
5. ENGLAND, S.E.														
Dover	40	‡	—	—	—	—	106	54	8	0	— 10	16th 24h.	16	16th 6 . 18
Warlingham ..	33	‡	—	—	—	—	1	77	51	39	— 6	20th 13h.	10	20th 13 . 30
Brighton	53	6	—	—	—	—	—	91	77	0	— 5	16th 9h.	13	16th 8 . 49
Kew†	65	6 / 22 ‖	—	—	—	—	14	85	69	0	E. by S. 8	20th 13h.	13	19th 13 . 58
South Kensington ..	92	30	—	—	—	—	2	66	100	0	NE. by E. 6	20th 15h.	12	18th 18 . 19
7. ENGLAND, N.W.														
Carnforth	56	23	—	—	—	—	—	23	145	0	ENE. 4	15th 22h.	8	15th 21 . 32
Southport	62	48	—	—	—	—	33	116	19	0	WNW. 10	15th 17h.	13	15th 16 . 45
Holyhead*	40	‡	—	—	15, 16	18	51	76	15	8	NE. 14	16th 1h.	19	15th 21 . 6
8. ENGLAND, S.W.														
Pendennis Castle§ ..	65	24	19th	3	16, 17, 19, 20	40	81	13	5	26	E. 18	19th 12h.	22	19th 12 . 29
Plymouth	88	2	—	—	16, 19	7	97	58	6	0	— 12	19th 7h.	18	19th 10 . 48
10. IRELAND, S.														
Quilty	40	‡	—	—	19, 20	8	107	30	2	21	— 14	20th 8h.	19	20th 8 . 46
Weaver Pt.	30	‡	—	—	17, 19, 20	28	88	51	1	0	— 14	19th 14h.	20	19th 14 . 32
11. ENGLISH CHANNEL.														
Scilly*	32 / 19	‡	—	—	14, 19	8	110	37	13	0	WNW. 13	14th 1h.	23	14th 1 . 21

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building.

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory

** Above tops of trees.

‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTY-SIXTH WEEK—November 14th to November 20th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure
			Means of				Accumulated Number of Day-Degrees.												
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Mean for the Week at M.S.L.
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	46	17	37·8	26·0	31·9	−10·5	0	− 20	71	+ 55	2	− 3	0·32	8	− 23	3·0	+1·9	38	1023
Eastern.																			
1. SCOTLAND, EAST ...	45	10	38·0	23·7	30·9	−10·7	0	− 19	78	+ 56	2	− 2	0·09	3	− 15	3·4	+1·7	43	1025
2. ENGLAND, N.E.	47	20	41·2	30·3	35·8	− 7·4	0	− 23	43	+ 29	3	− 1	0·20	5	− 9	2·8	+0·9	33	1023
3. ENGLAND, EAST ...	48	23	42·2	31·2	36·7	− 6·7	1	− 25	38	+ 22	4	0	0·35	9	− 4	4·2	+2·1	49	1022
4. MIDLAND COUNTIES ...	47	20	41·7	27·6	34·7	− 8·0	0	− 23	51	+ 32	2	− 1	0·19	5	− 9	3·5	+1·7	40	1024
5. ENGLAND, S.E.	47	20	42·3	29·8	36·1	− 9·1	1	− 32	43	+ 33	2	− 2	0·23	6	− 11	4·4	+2·4	50	1022
Western.																			
6. SCOTLAND, WEST ...	46	14	39·3	24·7	32·0	−11·8	0	− 25	70	+ 58	1	− 3	0·20	5	− 26	2·7	+1·2	33	1026
7. ENGLAND, N.W.	49	14	40·3	27·6	34·0	−10·2	0	− 26	56	+ 46	2	− 2	0·28	7	− 13	4·2	+2·5	48	1024
8. ENGLAND, S.W.	51	14	42·6	30·9	36·8	− 9·2	2	− 34	40	+ 32	2	− 2	0·15	4	− 20	4·4	+2·3	51	1023
9. IRELAND, NORTH ...	50	18	43·2	30·0	36·5	− 7·5	3	− 23	42	+ 30	2	− 2	0·15	4	− 20	4·1	+2·1	49	1023
10. IRELAND, SOUTH ...	51	20	44·6	31·4	38·0	− 7·5	7	− 28	39	+ 29	1	− 3	0·04	1	− 24	4·0	+1·8	46	1023
11. ENGLISH CHANNEL ...	52	30	47·8	37·6	42·7	− 6·9	23	− 31	12	+ 11	3	− 2	0·44	11	− 12	3·1	+0·6	35	1022

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 12 Weeks, August 29th to November 20th, 1915.

0. SCOTLAND, NORTH ...	76	17	52·4	41·1	46·6	*	534	− 45	147	+ 76	44	−16	7·88	200	−156	3·3	+0·7	30	1015
Eastern.																			
1. SCOTLAND, EAST ...	77	10	53·8	38·9	46·2	*	548	− 70	198	+104	41	− 9	8·69	222	+ 21	3·6	+0·5	33	1016
2. ENGLAND, N.E.	76	20	55·3	42·5	48·7	*	666	− 61	95	+ 48	35	−10	4·70	121	− 55	3·6	+0·2	32	1015
3. ENGLAND, EAST ...	80	23	56·9	44·1	50·3	*	780	− 48	67	+ 12	38	− 6	5·96	151	− 13	3·8	−0·1	34	1015
4. MIDLAND COUNTIES ...	80	20	56·3	41·3	48·6	*	686	− 72	122	+ 53	28	−15	5·58	143	− 35	3·4	0·0	31	1016
5. ENGLAND, S.E.	78	20	57·7	44·0	50·7	*	814	−110	72	+ 37	31	−12	7·96	204	+ 1	4·0	+0·1	36	1015
Western.																			
6. SCOTLAND, WEST ...	73	14	54·5	41·5	47·8	*	627	− 61	143	+ 93	34	−17	6·88	174	−162	3·4	+0·2	31	1016
7. ENGLAND, N.W.	76	14	55·7	42·9	49·1	*	696	− 78	100	+ 66	32	−17	5·20	132	−118	4·1	+0·9	37	1015
8. ENGLAND, S.W.	78	14	56·9	44·3	50·4	*	788	− 92	67	+ 41	42	− 7	8·95	228	− 50	4·3	+0·6	38	1015
9. IRELAND, NORTH ...	73	18	55·7	43·6	49·5	*	728	+ 9	81	+ 40	47	− 8	7·55	191	− 68	3·5	+0·4	32	1014
10. IRELAND, SOUTH ...	77	20	57·5	44·6	50·8	*	854	+ 8	77	+ 42	48	− 1	10·69	271	+ 18	4·0	+0·4	36	1015
11. ENGLISH CHANNEL ...	77	30	59·7	48·7	54·0	*	1030	− 92	12	+ 11	42	−12	9·59	242	+ 2	4·7	+0·1	42	1015

THE YEAR.—Aggregates, &c., for the Period of 46 Weeks, January 3rd to November 20th, 1915.

0. SCOTLAND, NORTH ..	80	12	52·2	40·6	46·1	*	2004	− 47	650	+ 22	193	−22	35·89	911	−214	3·6	+0·2	28	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	10	53·7	39·1	46·1	*	2150	−148	828	+114	170	− 8	27·95	712	+ 32	4·1	+0·1	32	1012
2. ENGLAND, N.E.	85	20	55·2	41·9	48·3	*	2543	− 31	498	− 24	151	−10	21·01	534	− 21	4·4	+0·1	35	1013
3. ENGLAND, EAST ..	90	18	56·6	43·2	49·6	*	2914	− 59	448	−128	158	+ 2	23·99	612	+ 86	4·7	0·0	37	1013
4. MIDLAND COUNTIES ...	87	19	56·9	41·2	48·7	*	2756	−131	573	− 29	137	−17	24·44	623	+ 35	4·3	+0·1	34	1014
5. ENGLAND, S.E.	88	15	57·2	43·7	50·2	*	3051	−169	390	− 26	130	−19	27·07	693	+ 99	4·7	0·0	37	1014
Western.																			
6. SCOTLAND, WEST ...	78	14	54·7	41·4	47·8	*	2421	− 76	577	+102	160	−26	30·39	773	−269	4·4	+0·3	34	1013
7. ENGLAND, N.W.	77	14	55·2	42·8	48·8	*	2613	−123	444	+ 24	145	−27	26·52	675	− 91	4·7	+0·6	37	1013
8. ENGLAND, S.W.	79	14	56·3	44·0	49·8	*	2898	−161	365	+ 38	160	−10	33·35	848	+ 15	4·7	+0·1	37	1014
9. IRELAND, NORTH ...	75	18	54·7	42·6	48·5	*	2535	− 75	433	+ 47	191	−11	28·96	737	−107	3·9	+0·1	31	1012
10. IRELAND, SOUTH ...	78	20	56·7	44·1	50·1	*	2977	− 29	361	+ 67	190	+10	35·11	896	+ 26	4·4	+0·1	34	1014
11. ENGLISH CHANNEL ...	81	27	57 4	47·3	52·2	*	3412	−165	132	+ 22	155	−27	28·44	717	+ 22	5·3	−0·4	42	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., November 25th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) No. 47. FORTY-SEVENTH WEEK, SUNDAY, NOVEMBER 21ST, TO SATURDAY, NOVEMBER 27TH, 1915.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

Temperature was again considerably below the average though the departures from the mean were not so great as in the preceding week. These ranged from 9° in England North-West and South-West to 2°·6 in Scotland North. At no single station was the temperature for the week in excess of the average. The thermometer touched 50° at a few places but at many it did not exceed 45° throughout the week, and at Blackpool 39° was the highest value reached. Minima below 20° were experienced at many stations on the night of the 26th, while the lowest temperature recorded, 10° at West Linton, was measured on the morning of the 21st. The lowest measurement on the grass was 8° at Wisley, Surrey. The weather was generally dry with amounts of precipitation considerably below the normal. The week was very nearly rainless in the Midland Counties, also in England South-East and South-West. Down the East coast of England snow and sleet showers occurred generally on Friday, and on Saturday fairly heavy rain fell at some stations in the north and north-west of the United Kingdom. Amounts of sunshine in excess of the normal were measured in England North-West, South-West and South-East and in Scotland West. In Ireland and the English Channel there was a deficiency of bright sunshine. In the south of the country the week was bright with the exception of Sunday and Monday but in most other districts the sunshine occurred on the last three days only. Fog was reported at a good many stations on Monday and Tuesday, and at isolated stations on other days.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Very deficient	Deficient	Deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Deficient	Deficient	Deficient
	Rainfall ...	Light	Light	Light	Light	Very light	Very light	Light	Very light	Very light	Very light	Very light	Very light
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Abundant	Scanty	Scanty	Scanty

THE SEASON.

AUTUMN. 13 weeks from Aug. 29th, 1915.	Warmth ...	4, 3, 6	3, 3, 7	4, 4, 5	3, 5, 5	3, 4, 6	3, 2, 8	4, 2, 7	4, 3, 6	3, 4, 6	5, 2, 6	6, 0, 7	4, 2, 7
	Rainfall ...	2, 2, 9	5, 2, 6	2, 4, 7	4, 3, 6	2, 4, 7	4, 3, 6	0, 5, 8	1, 3, 9	3, 2, 8	1, 5, 7	5, 2, 6	4, 3, 6
	Sunshine ...	7, 2, 4	5, 5, 3	4, 5, 4	2, 6, 5	2, 8, 3	2, 6, 5	6, 3, 4	7, 5, 1	6, 4, 3	5, 4, 4	4, 5, 4	3, 7, 3

PAST SEASONS.

AUTUMN, 1914. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	4, 6, 3	4, 7, 2	6, 4, 3	5, 6, 2	5, 6, 2	4, 5, 4	4, 5, 4	6, 4, 3	4, 6, 3	7, 3, 3	4, 7, 2	4, 6, 3
	Rainfall ...	3, 2, 8	4, 1, 8	3, 4, 6	2, 6, 5	2, 6, 5	3, 5, 5	3, 3, 7	5, 1, 7	3, 4, 6	3, 2, 8	4, 2, 7	3, 7, 3
	Sunshine ...	3, 6, 4	4, 4, 5	3, 5, 5	3, 7, 3	4, 4, 5	6, 5, 2	2, 7, 4	6, 5, 2	4, 4, 5	2, 7, 4	3, 6, 4	3, 5, 5
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, November 27th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	47	44	45·8	0·6
Wick	45	45	45·0	-3·3	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	44	40	41·7	3·0
Ballantrae	46	44	45·1	-0·2	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	48	47	47·2	-1·1
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	51	49	49·8	-2·1	Eastbourne‡	44	42	43·2	-4·6
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	47	42	45·2	-2·8	Port Erin	50	47	48·6	-1·3

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch. 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	-	°		in.	mm.	mm.	hr	hr.	%		°	°	°	°	°	
0. SCOTLAND, N.																							
a, Islands .. *p Baltasound*	*31*																						*Baltasound.*
a Lerwick	54	50	22nd	30	24th	41·6	34·6	38·1	- 4·4	6	0·52	13	—	0·1	- 1·0	1							Deerness.
a Stornoway	51	51	22nd	35	26th	44·9	38 6	41·8	- 0·7	5	0·83	21	- 13	0·3	- 1·0	4							Stornoway.
a Castlebay, Barra Isd. ..	*37*	*51*	*22nd*	*36*	*26th*	*47·6*	*40·6*	*44·1*	*- 1·4*	*5*	*0·55*	*14*	—	*0·5*	—	*7*							*Castlebay.*
a Wick	81	49	22nd	28	27th	42·6	35·6	39·1	- 2·5	5	0·29	7	- 10										
p Strathpeffer	200	48	22nd	31	21, 26	43·3	35 1	39·2	- 1·4	4	0·08	2	- 15	0·4	- 0·8	5							Strathpeffer.
b, Main- *p* Glencarron	500	48	22nd	26	26, 27	41·6	32·1	36·9	- 3·5	6	0·92	23	- 31										
land. *p* Fort Augustus	68	46	22nd	22	27th	42·9	31·7	37·3	- 3·9	3	0·28	7	- 19	0·6	+ 0·1	8							Fort Augustus.
p Fort William	171	46	22, 23	24	27th	42·4	31·7	37·1	- 5·3	2	0·29	7	- 42										
1. SCOTLAND, E.																							
p Gordon Castle	101	47	21, 22	28	27th	42·4	33·0	37·7	- 4·0	6	0·30	8	- 6	1·1	—	15	5	17	38·9	-3·1	41·8	-3·1	Crathes.
a Nairn	82	47	22nd	23	27th	42·6	32·4	37·5	- 3·3	5	0·17	4	- 8	*0·2*	—	*3*							*Gordon Castle.*
a Aberdeen	46	50	22nd	27	27th	40·9	33·6	37·3	- 4·3	5	0·26	7	- 10	0·4	—	5							Nairn.
a Balmoral	930	48	22nd	15	27th	40·7	28·7	34·7	- 3·1	2	0·09	2	- 20	0·9	- 0·8	12					43·1	-1·8	Aberdeen.
p Crieff	432	46	22nd	21	21, 27	41·1	27·4	34·3	- 6·5	2	0·28	7	- 20	2·2	—	29			5	12			Balmoral.
a Leith	18	43	22nd	24	21, 22	39·6	28·3	34·0	- 8·8	0	0·00	0	- 11										Balruddery.
a West Linton	769	41	22nd	10	21st	37·6	18·4	28·0	- 9·9	1	0·07	2	—	*1·7*	—	*22*	7	9					
p Marchmont	498	44	23rd	21	27th	38·3	26·6	32·5	- 7·8	3	0·28	7	- 11	1·1	- 0·4	14	6	15					*West Linton.*
a Edinburgh	*441*	*43*	*23rd*	*25*	*21st*	*38·9*	*30·3*	*34·6*	—	*0*	*0·00*	*0*	—	1·2	—	16	6	18					Marchmont.
6. *a*, SCOTLAND, W.																							Edinburgh.
a Poltalloch	132	50	22nd	22	24th	43·9	29·6	36·8	- 6·0	3	0·60	15	- 17										
p Glasgow Observatory	180	44	25th	21	21st	39·3	28·3	33·8	- 8·4	2	0·43	11	- 11	1·0	+ 0·3	13	7	18					
p Rothesay	170	48	23rd	29	24th	43·4	33·4	38·4	- 4·8	3	0·21	5	- 25	*2·4*	—	*31*	4	22	35·9		44·0	-1·7	Glasgow.
a Kilmarnock	90	43	21st	19	24th	40·0	24·3	32·2	- 9·8	2	0·50	13	—	*0·9*	—	*12*							*Rothesay.*
a Colmonell	170	49	23rd	24	27th	43·9	29·6	36·8	- 5·2	3	0·14	4	- 28				4	18					*Kilmarnock.*
a Dumfries	160	42	25th	21	27th	38·3	26·4	32·4	- 9·6	1	0·24	6	- 17	*1·3*	—	*23*	6	18	34·9		42·3		
Eskdalemuir	*799*	*41*	*23rd*	*16*	*22, 27*	*36·7*	*20·9*	*28·8*	—	*2*	*0·37*	*9*	—	*2·1*	—	*27*							*Dumfries.*
p Cally, Gatehouse ..	120	48	23rd	21	24th	42·6	26·6	34·6	- 7·3	1	0·64	16	- 16										*Eskdalemuir.*
b, I. OF MAN. *p* Douglas	277	48	23rd	31	25-27	43·1	34·1	38·6	- 6·1	3	0·25	6	- 22	2·8	+ 0·9	35	4	24					Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	44	22nd	23	22, 27	40·4	29·1	34·8	- 7·2	4	0·33	8	- 11	2·5	—	32	6	18	34·6	-3·7	41·2	-2·3	Cockle Park.
a Tynemouth	71	44	23rd	31	25th	40·4	33·7	37·1	- 5·7	2	0·20	5	- 7										*Tynemouth.*
p Durham	336	44	23rd	21	27th	39·9	29·3	34·6	- 6·8	2	0·04	1	- 12	1·9	+ 0·3	24	6	16					Durham.
a, North .. *p* Rounton	249	45	23rd	20	27th	39·9	29·6	34·8	- 6·6	2	0·09	2	- 10				7	15	33·1				Rounton.
a West Witton	*605*	*46*	*23rd*	*20*	*27th*	*40·4*	*26·7*	*33·6*	—	*0*	*0·00*	*0*	—				7	14	36·0		42·9		*West Witton.*
p Scarborough	100	48	23rd	32	28th	43·4	35·6	39·5	- 3·8	3	0·37	9	- 5	1·3	—	16					48·2†		Scarborough.
p York	56	45	23rd	25	27th	40·6	31·3	36·0	- 6·4	1	0·02	1	- 11	0·9	- 0·3	11			41·4	-1·6	46·3	-1·6	York.
a Spurn Head	26	45	21, 23	32	25th	42·1	36·0	39·1	- 4·6	4	0·29	7	- 3	*1·4*	—	*17*							*Spurn Head.*
b, South .. *a* Lincoln	58	45	23rd	27	27th	40·2	31·1	35·7	- 6·0	1	0·01	0	- 11						37·5	-3·4	45·3	-2·3	Lincoln.
a Fulbeck	180	41	23rd	25	27th	39·9	29·3	34·6	- 5·6	2	0·05	1	- 10	1·1	—	14	6	24	39·7	-1·7	46·9	-1·6	Rauceby.
														1·6	—	20							Skegness.
3. ENGLAND, E.																							
p Cromer	196	46	22nd	31	27th	42·7	36·1	39·4	- 2·8	4	0·30	8	—	1·9	—	23							Cromer.
p Little Massingham ..	280	43	23rd	26	27th	40·3	30·7	35·5	- 6·2	4	0·21	5	- 9	1·6	- 0·2	19	5	19					Lit. Massingham.
a, North .. *a* Yarmouth	13	46	23rd	30	27th	42·6	34·9	38·8	- 4·3	4	0·55	14	+ 1	2·0	—	24			42·7	+1·4	47·9	-0·2	Yarmouth.
a Norwich	93	46	23rd	23	27th	41·0	32·7	36·9	- 5·5	5	0·32	8	—	*1·4*	—	*17*	5	17	38·8				*Norwich.*
a Geldeston	37	48	23rd	27	27th	42·7	33·1	37·9	- 5·1	5	9·35	9	- 4	1·6	- 0·3	19							Geldeston.
p Cambridge	41	43	23rd	19	27th	40·6	30·0	35·3	- 7·0	0	0·00	0	- 11	1·5	- 0·3	19	5	20	40·5	-1·6	47·0	-1·4	Cambridge.
b, South .. *a* Clacton-on-Sea ..	54	45	22, 24	27	27th	41·7	33·1	37·4	- 6·2	1	0·04	1	—	1·8	—	21	3	23	40·7	-5·2	47·1	-2·5	Clacton.
a Rothamsted	424	41	23rd	23	27th	38·9	29·4	34·2	- 7·8	2	0·03	1	- 14	1·9	+ 0·1	23	6	14	39·6	*	*	*	Rothamsted.
p Tottenham	51	43	23-25	25	27th	41·6	32·9	37·3	- 6·2	0	0·00	0	—	1·9	—	25	3	19	*	*	47·6	-2·0	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	45	23rd	26	27th	40·9	31·6	36·3	- 4·9	0	0·00	0	- 16	1·5	—	19	5	22	38·4	-3·5	42·5	-2·3	Harrogate.
p Buxton	*987*	*43*	*23rd*	*17*	*27th*	*37·3*	*26·9*	*32·1*	*- 7·7*	*0*	*0·00*	*0*	*- 28*	*1·1*	—	*14*	7	11	35·3	-4·7	44·6	-2·3	*Buxton.*
														1·3	—	16	4	20	38·9	-2·9	45·6	-2·0	Sheffield.
a Bawtry	65	47	23rd	24	27th	41·0	30·7	35·9	- 5·9	0	0·01‖	0	- 11	1·0	- 0·4	12	6	16	38·7	*	44·0	*	Worksop.
a Nottingham	82	45	23rd	21	27th	40·6	27·1	33·9	- 8·3	1	0·01	0·2	- 11	0·7	—	9	6	18	35·5	-4·7	42·7	-3·5	Nottingham.
b, East .. *p* Birmingham, Edgbsn.	535	43	23rd	24	27th	38·1	30·0	34·1	- 8·0	1	0·01	0·2	- 13	1·1	—	13	6	11	39·2	-3·2	46·7	-1·5	Birmingham.
a Raunds	203	43	23rd	19	27th	39·7	27·1	33·4	- 8·3	1	0·01	0·2	—	*1·6*	—	*19*	6	15	42·1	*	49·7	*	*Raunds.*
p Oxford	208	41	24-26	20	27th	38·3	29·0	33·7	- 9·0	0	0·00	0	- 14	1·5	- 0·3	18	6	15	*	*	*	*	Oxford.
a Cheadle	646	45	23rd	25	27th	39·0	28·4	33·7	- 7·3	0	0·00	0	- 17	*	*	*	6	22	*	*	*	*	Cheadle.
p Shrewsbury	191	46	24th	18	27th	44·0	26·1	35·1	- 8·0	1	0·04	1	—	*	*	*	6	18	*	*	*	*	Shrewsbury.
c, West .. *a* Hereford§	291	45	25th	18	27th	38·9	27·0	33·0	- 9·5	0	0·00	0	- 14	*2·3*	—	*28*	7	13	37·8	*	44·7	*	*Malvern.§*
a Cirencester	446													*	*	*	*	*	*	*	*	*	Cirencester.
a Bath	66	44	25th	20	27th	40·1	27·9	34·0	- 9·4	0	0·00	0	- 18	2·3	—	27	*	*	*	*	*	*	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	43	22nd	16	27th	40·1	25·7	32·9	- 8·5	0	0·00	0	- 19	3·5	—	41	5	22	39·5	-3·6	47·8	-2·1	Worthing.
a Margate	53	45	22, 23	33	27th	42·4	35·7	39·1	- 5·3	2	0·07	2	- 11	0·9	- 0·6	11	6	12	39·3	*	47·6	*	Marlborough.
a Wisley, Surrey ..	150	42	23, 25	20	27th	40·0	30·0	35·0	- 8·7	0	0·00	0	—	1·0	- 0·9	12	0	32	41·9	-2·8	47·2	-0·8	Margate.
p Salisbury (Wilton) ..	180	42	24-26	19	27th	40·7	27·9	34·3	- 8·2	1	0·02	1	- 20	1·7	—	20	5	8	39·7	-2·7	46·0	-2·3	Wisley.
a Tunbridge Wells ..	354	47	22nd	22	27th	41·7	30·6	36·2	- 6·7	0	0·00	0	- 20	*	*	*	6	15	38·4	*	*	*	Salisbury.
														2·1	0·0	25	5	11	41·7	0·0	47·7	*	Tunbridge Wells.
a Dungeness	21	47	22nd	25	27th	41·7	32·0	36·9	- 8·4	1	0·04	1	- 13	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings	178	47	22nd	29	27th	41·7	33·0	37·4	- 7·6	0	0·00	0	- 18	3·3	+ 1·1	38	5	25	39·7	*	47·6	*	Hastings.
p Southampton	64	42	25, 26	24	27th	41·0	30·7	35·9	- 8·7	0	0·00	0	- 19	3·0	+ 1·1	36	6	13	*	*	*	*	Southampton.
a Ventnor	59	43	23-25	31	23, 25, 27	42·3	33·0	37·7	- 9·5	0	0·00	0	- 19	3·5	+ 1·4	41	*	*	*	*	*	*	Ventnor.
[LONDON. *p* Kew	18	44	23rd	22	27th	40·1	31·3	35·7	- 7·3	0	0·00	0	- 12	1·3	- 0·2	15	4	16	38·1	-4·3	46·2	-2·7	Kew.
a Westminster	*27*	*45*	*22nd*	*25*	*27th*	*42·1*	*32·6*	*37·4*	*- 6·0*	*0*	*0·00*	*0*	*- 13*	*0·5*	*- 0·3*	*6*	4	22	*	*	*	*	*Westminster.*
a Greenwich	*155*	*42*	*22, 23*	*23*	*27th*	*40·3*	*31·6*	*36·0*	*- 7·4*	*0*	*0·00*	*0*	*- 13*	*1·1*	*- 0·3*	*13*	5	18	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*41*	*23, 24*	*26*	*27th*	*38·7*	*29·3*	*34·0*	—	*0*	*0·00*	*0*	—	*2·1*	—	*25*	7	14	*	*	*	*	*Hampstead.*
a Camden Square ..	*110*	*43*	*23, 24*	*26*	*27th*	*41·3*	*31·9*	*36·6*	—	*0*	*0·00*	*0*	—	*1·8*	—	*21*	5	23	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	42	25th	22	26, 27	37·9	24·3	31·1	-10·7	1	0·16	4	- 21	2·0	—	25	*	*	*	*	*	*	Hoylake.
p Newton Rigg	559	43	23rd	17	27th	37·4	23·4	30·4	- 9·9	0	0·02‖	1	- 21	2·2	—	28	6	16	35·9	*	45·3	*	Aspatria.
p Stonyhurst	375	43	23rd	22	27th	38·1	27·7	32·9	- 9·1	0	0·00	0	- 26	1·8	+ 0·3	23	7	14	36·1	-5·4	43·1	-2·8	Newton Rigg.
p Blackpool	66	39	23, 25, 26	21	27th	37·3	27·1	32·2	-11·1	0	0·00	0	- 21	2·2	+ 0·9	27	7	18	*	*	*	*	Stonyhurst.
a Southport	*37*	*41*	*25th*	*21*	*27th*	*37·1*	*26·9*	*32·0*	*-11·1*	*1*	*0·01*	*0*	*- 20*	*1·6*	*+ 0·3*	*20*	6	16	33·6	-6·4	42·4	-3·3	Blackpool.
a Liverpool (Bidston) ..	188	43	23, 25	25	27th	39·3	31·3	35·3	- 7·4	1	0·08	2	- 13	*1·9*	—	*23*	*	*	*	*	*	*	*Southport.*
a Hawarden Bridge ..	*22*	*45*	*23, 25*	*23*	*27th*	*41·0*	*31·3*	*36·2*	*- 8·2*	*1*	*0·08*	*2*	*- 11*	*0·1*	—	*1*	7	22	35·1	-5·7	45·8	-2·5	*Liverpool.*
p Manchester (Whit. Pk.)	125	42	23rd	17	27th	37·3	26·1	31·7	-11·7	2	0·02	1	- 14	*0·2*	*- 0·3*	*2*	*	*	*	*	*	*	*Manchester (City)*
																							„ (Whit. Park)
b NORTH WALES.																							
p Llandudno	71	47	23rd	28	22nd	42·4	31·3	36·9	- 8·7	1	0·05	1	- 17	2·7	+ 1·0	33	*	*	*	*	*	*	Llandudno.
a Holyhead	15	52	23rd	29	22, 23	46·3	33·1	39·7	- 6·4	2	0·40	10	- 15	*2·6*	—	*32*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*44*	*25th*	*21*	*22nd*	*38·4*	*25·1*	*31·8*	*-13·6*	*1*	*0·08*	*2*	—	*2·6*	—	*32*	*	*	35·0	-7·1	44·4	-3·0	*Bettws-y-Coed.*
														4·2	—	51	*	*	*	*	*	*	Aberdovey.

† At 3 ft. § The temperature on the grass refers to Hereford. ‖ Mist or Fog.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts.	Lowest Reading.	Mean.	Difference from average	Mean.	Difference from average	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.														3·6	—	43	•	•	•	•	•	•	Aberystwyth.
a Llangammarch Wells	550	42	25th	14	27th	36·5	22·4	29·5	−12·0	1	0·03	1	—	0·7	—	8	7	11	36·6	−6·5	45·9	−3·0	Llangammarch.
a Pembroke	149	49	23rd	33	22, 23	43·7	35·9	39·8	− 7·5	3	0·20	5	− 18	2·6	+ 0·7	31	•	•	•	•	•	•	Pembroke.
p Cardiff	202	47	25th	22	27th	40·4	29·4	34·9	− 8·5	0	0·00	0	− 24	*2·8*	—	*33*	6	20	38·5	−3·6	46·8	−1·5	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	43	23rd	25	27th	39·3	29·9	34·6	− 9·5	0	0·00	0	− 19	*1·8*	—	*21*	6	23	•	•	•	•	*Clifton.*
a Shaftesbury	722	40	23, 25	‡23	27th	37·7	‡28·4	‡33·1	− 9·7	0	0·00	0	− 21	•	•	•	•	•	37·8	•	46·5	•	Shaftesbury.
a Arlington	613	49	23rd	25	22nd	40·1	27·7	33·9	− 9·8	1	0·05	1	− 33	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*47*	*23, 25*	*29*	*27th*	*44·0*	*32·7*	*38·4*	*− 9·3*	*2*	*0·05*	*1*	*− 19*	2·8	+ 0·4	33	5	21	42·7	•	48·9	•	Newquay.
a Cullompton	202	46	25th	20	27th	40·3	27·9	34·1	− 9·9	1	0·04	1	− 21	3·8	+ 2·1	44	6	11	39·6	•	•	•	Cullompton.
a Portland Bill	19	44	23, 25, 27	30	24th	42·6	34·3	38·5	− 8·3	0	0·00	0	—	*3·4*	—	*40*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	48	23rd	28	23rd	44·0	33·0	38·5	− 8·0	0	0·00	0	− 22	3·6	+ 1·6	42	•	•	39·4	−6·2	47·9	•	Plymouth.
a Falmouth	167	49	23rd	32	25th	45·4	36·1	40·8	− 6·8	1	0·04	1	− 28	2·5	+ 0·2	29	4	24	44·4	•	49·6	•	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	49	22nd	34	27th	45·4	37·0	41·2	− 3·3	2	0·12	3	− 16	*0·7*	—	*9*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	48	21-23	36	23rd	46·1	38·1	42·1	− 3·9	5	0·30	8	− 24	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	49	23rd	23	25th	45·0	30·6	37·8	− 5·1	2	0·22	6	− 19	1·0	− 0·6	13	5	20	41·5	•	47·5	•	Markree Castle.
a Birr Castle	175	46	21st	29	26th	42·3	33·6	38·0	− 5·0	3	0·16	4	− 15	*0·9*	− *1·1*	*11*	•	•	•	•	•	•	*Birr Castle.*
b, East .. { *p* Armagh	196	47	23, 25	30	22nd	42·4	32·9	37·7	− 5·1	1	0·04	1	− 17	0·5	− 1·2	6	7	24	39·7	−2·7	45·6	−2·1	Armagh.
a Donaghadee	101	48	23rd	35	23, 27	45·7	37·9	41·8	− 2·5	2	0·08	2	− 17	•	•	•	•	•	•	•	•	•	•
														•	•	•	6	20	39·6	−4·2	45·0	−3·1	Trinity Coll.
10. IRELAND, S.														0·9	− 1·3	11	6	17	•	•	•	•	Phœnix Park.
a, East .. { *p* Dublin, City	47	45	23, 27	27	22nd	42·3	33·1	37·7	− 7·6	1	0·02	1	− 15	•	•	•	5	24	•	•	•	•	Dublin City.
a Kilkenny	212	46	23rd	31	27th	43·0	33·7	38·4	− 4·9	3	0·07	2	− 17	•	•	•	•	•	•	•	•	•	•
a Waterford	20	47	21, 23	30	25th	44·7	35·1	39·9	− 4·8	2	0·06	2	− 22	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*45*	*21, 26*	*30*	*23rd*	*42·6*	*34·7*	*38·7*	—	*3*	*0·13*	*3*	—	*1·1*	—	*13*	3	28	•	•	•	•	*Seskin.*
b, West .. { *a* Birr Castle	175	46	21st	29	26th	42·3	33·6	38·0	− 5·0	3	0·16	4	− 15	0·9	− 1·1	11	•	•	•	•	•	•	Birr Castle.
a Foynes	50	48	21st	31	25th	44·0	36·3	40·2	− 4·8	0	0·00	0	− 25	•	•	•	•	•	•	•	•	•	•
a Cahir	199	47	26th	30	23, 25	44·9	34·4	39·7	− 4·9	5	0·08	2	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	49	21, 27	28	25th	46·0	34·4	40·2	− 5·1	*2*	0·05	1	− 35	•	•	•	•	•	•	•	•	•	•
a Valencia	30	50	27th	29	24th	47·7	34·7	41·2	− 6·2	*2*	0·16	4	− 31	2·4	+ 0·4	29	•	•	•	•	•	•	Valencia.
a Roche's Point	32	49	21st	30	23rd	46·1	37·3	41·7	− 5·0	3	0·13	3	− 24	1·0	—	12	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	50	23, 24	39	25th	48·4	41·0	44·7	− 4·9	1	0·04	1	− 20	1·5	− 0·9	17	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	46	23-26	35	23, 27	44·7	38·1	41·4	− 6·7	1	0·04	1	− 23	1·4	− 1·0	16	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	47	23rd	38	26th	45·1	39·1	42·1	− 6·4	*2*	0·14	4	− 23	1·1	− 0·8	13	1	28	44·5	−3·2	50·4	−1·6	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, November 27th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.				
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.	
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.	Date and Hour.			
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.			m/s. d. h. m.
1. SCOTLAND, E.															
Dyce	75	‡15**	—	—	—	—	2	119	42	5	NW	6	23rd	1h.	14 23rd 1 . 21
Aberdeen*	105	37 ‖ 52 ‖	—	—	—	—	78	78	12	0	NW. by W.	10	23rd	4h.	17 23rd 3 . 45
Edinburgh	39	31	—	—	27th	6	20	79	39	24	S.	14	27th	20h.	21 27th 19 . 8
6. SCOTLAND, W.															
Eskdalemuir ..	50	22	—	—	—	—	19	59	90	0	NW. by W.	10	25th	4h.	14 25th 4 . 55
Paisley (Coats Obs.)	81	52	—	—	—	—	6	51	111	0	SSW.	8	27th	18h.	14 27th 18 . 12
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	—	—	20	80	68	0	N by W.	7	23rd	20h.	14 23rd 21 . 43
South Shields ..	61	12	—	—	—	—	51	112	5	0	N by E.	9	23rd	13h.	14 23rd 13 . 7
Spurn Head	40	‡	—	—	25, 26	2	88	55	3	20	N.	12	26th	9h.	17 26th 7 . 26
3. ENGLAND, E.															
Gorleston	42	‡	—	—	26th	5	98	62	0	3	—	12	26th	10h.	19 26th 9 . 31
Shoeburyness ..	90	‡	—	—	—	—	60	106	2	0	—	10	27th	24h.	12 26th 11 . 51
4. MIDLAND COUNTIES.															
Benson	84	‡	—	—	—	—	—	91	77	0	NNW.	5	26th	13h.	10 21st 4 . 25
5. ENGLAND, S.E.															
Dover	40	‡	—	—	26th	3	91	70	4	0	—	12	26th	11h.	17 26th 10 . 58
Warlingham ..	33	‡	—	—	—	—	—	138	10	20	—	5	21st	6h.	11 21st 5 . 43
Brighton	53	6	—	—	—	—	—	—	—	—	—	—	—	—	— — —
Kew†	65	6 ‖ 22 ‖	—	—	—	—	1	119	48	0	E. by S.	6	21st	5h.	10 21st 4 . 48
South Kensington ..	92	30	—	—	—	—	—	76	92	0	ENE.	4	21st	4h	9 21st 5 . 15
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	—	—	—	—	—	—	—	—	—	—	— — —
Southport	62	48	—	—	—	—	19	126	23	0	SSE.	7	27th	23h.	10 27th 23 . 25
Holyhead*	40	‡	—	—	25th	4	62	87	15	0	NNW.	11	25th	11h.	16 27th 20 . 40
8. ENGLAND, S.W.															
Pendennis Castle§ ..	65	24	—	—	21, 24, 27	19	77	37	13	22	E.	13	24th	3h.	16 24th 2 . 28
Plymouth	88	2	—	—	27th	4	104	54	6	0	—	12	27th	23h.	15 27th 23 . 5
10. IRELAND, S.															
Quilty	40	‡	—	—	21st	4	55	83	22	4	—	12	21st	12h.	17 21st 11 . 50
Weaver Pt.	30	‡	—	—	27th	1	50	113	4	0	—	11	27th	13h.	15 27th 13 . 28
11. ENGLISH CHANNEL.															
Scilly*	32 19	‡	—	—	—	—	57	97	14	0	SSE.	9	27th	24h.	13 27th 24 . 15

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTY-SEVENTH WEEK—November 21st to November 27th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Mean for the Week at M.S.L.
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	22	42·8	34·2	38·5	− 2·6	2	− 13	28	+ 7	4	− 1	0·46	11	− 22	0·4	−0·6	5	1027
Eastern.																			
1. SCOTLAND, EAST ...	50	10	40·4	28·6	34·5	− 5·8	0	− 14	53	+ 26	3	− 2	0·18	5	− 11	1·2	−0·3	15	1029
2. ENGLAND, N.E.	48	20	40·8	31·7	36·2	− 5·8	0	− 18	41	+ 24	2	− 2	0·16	4	− 9	1·6	−0·2	19	1029
3. ENGLAND, EAST ...	48	19	41·3	32·5	37·0	− 4·8	0	− 20	35	+ 15	3	− 1	0·20	5	− 7	1·8	0·0	21	1028
4. MIDLAND COUNTIES ...	47	18	40·1	28·5	34·3	− 7·1	0	− 18	54	+ 31	1	− 3	0·01	0	− 13	1·3	−0·3	16	1030
5. ENGLAND, S.E.	47	16	41·2	31·0	36·1	− 7·5	0	− 26	41	+ 27	1	− 3	0·01	0	− 15	2·3	+0·5	27	1028
Western.																			
6. SCOTLAND, WEST ...	50	19	41·8	29·0	35·5	− 7·2	0	− 20	46	+ 31	2	− 3	0·38	10	− 20	1·9	+0·5	24	1031
7. ENGLAND, N.W.	52	17	39·5	28·0	33·8	− 9·2	0	− 21	57	+ 44	1	− 3	0·09	2	− 18	2·5	+1·0	30	1030
8. ENGLAND, S.W.	49	14	41·0	30·5	35·8	− 8·8	0	− 29	43	+ 32	1	− 4	0·04	1	− 21	2·8	+0·9	33	1029
9. IRELAND, NORTH ...	49	23	44·5	35·0	39·8	− 3·3	7	− 14	27	+ 13	3	− 2	0·15	4	− 19	0·8	−1·0	9	1029
10. IRELAND, SOUTH ...	50	27	44·6	34·7	39·7	− 4·8	7	− 22	28	+ 16	2	− 2	0·08	2	− 21	1·3	−0·8	16	1030
11. ENGLISH CHANNEL ...	50	35	46·1	39·4	42·7	− 5·6	16	− 30	7	+ 6	1	− 4	0·07	2	− 18	1·3	−0·9	15	1028

THE SEASON (**Autumn**).—Aggregates, &c., for the Period of 13 Weeks, August 29th to November 27th, 1915.

0. SCOTLAND, NORTH ...	76	17	51·7	40·6	46·0	*	536	− 58	175	+ 83	48	−17	8·34	211	−178	3·0	+0·5	28	1016
Eastern.																			
1. SCOTLAND, EAST ...	77	10	52·8	38·1	45·3	*	548	− 84	251	+130	44	−11	8·87	227	+ 10	3·4	+0·4	32	1017
2. ENGLAND, N.E.	76	20	54·2	41·7	47·7	*	666	− 79	136	+ 72	37	−12	4·86	125	− 64	3·4	+0·1	32	1016
3. ENGLAND, EAST ...	80	19	55·7	43·2	49·3	*	780	− 68	102	+ 27	41	− 7	6·16	156	− 20	3·7	0·0	34	1016
4. MIDLAND COUNTIES ...	80	18	55·0	40·3	47·5	*	686	− 90	176	+ 84	29	−18	5·59	143	− 48	3·2	0·0	30	1017
5. ENGLAND, S.E.	78	16	56·5	43·0	49·5	*	814	−136	113	+ 64	32	−15	7·97	204	− 14	3·9	+0·1	35	1016
Western.																			
6. SCOTLAND, WEST ...	73	14	53·6	40·5	46·8	*	627	− 81	189	+124	36	−20	7·26	184	−182	3·3	+0·5	31	1017
7. ENGLAND, N.W.	76	14	54·5	41·8	47·9	*	696	− 99	157	+110	33	−20	5·29	134	−136	4·0	+0·9	36	1016
8. ENGLAND, S.W.	78	14	55·7	43·2	49·3	*	788	−121	110	+ 73	43	−11	8·99	229	− 71	4·2	+0·6	38	1016
9. IRELAND, NORTH ...	73	18	54·9	42·9	48·7	*	735	− 5	108	+ 53	50	−10	7·70	195	− 87	3·3	+0·3	31	1015
10. IRELAND, SOUTH ...	77	20	56·5	43·8	50·0	*	841	− 14	105	+ 58	50	− 3	10·77	273	− 3	3·8	+0·3	35	1016
11. ENGLISH CHANNEL ...	77	30	58·6	48·0	53·2	*	1046	−122	19	+ 17	43	−16	9·66	244	− 16	4·4	0·0	40	1016

THE YEAR.—Aggregates, &c., for the Period of 47 Weeks, January 3rd to November 27th, 1915.

0. SCOTLAND, NORTH ...	80	12	52·0	40·4	46·0	*	2006	− 60	678	+ 29	197	−23	36·35	922	−236	3·5	+0·2	28	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	10	53·4	38·9	45·9	*	2150	−162	881	+140	173	−10	28·13	717	+ 21	4·0	+0·1	32	1013
2. ENGLAND, N.E.	85	20	54·9	41·7	48·0	*	2543	− 49	539	0	153	−12	21·17	538	− 30	4·4	+0·1	35	1014
3. ENGLAND, EAST ...	90	18	56·2	42·9	49·3	*	2914	− 79	483	−113	161	+ 1	24·19	617	+ 79	4·6	−0·1	37	1014
4. MIDLAND COUNTIES ...	87	18	56·5	40·9	48·4	*	2756	−149	627	+ 2	138	−20	24·45	623	+ 22	4·2	+0·1	33	1014
5. ENGLAND, S.E.	88	15	56·9	43·4	49·9	*	3051	−195	431	+ 1	131	−22	27·08	693	+ 84	4·7	0·0	37	1014
Western.																			
6. SCOTLAND, WEST ...	78	14	54·4	41·1	47·5	*	2421	− 96	623	+133	162	−29	30·77	783	−289	4·3	+0·3	34	1014
7. ENGLAND, N.W.	77	14	54·9	42·5	48·4	*	2613	−144	501	+ 68	146	−30	26·61	677	−109	4·6	+0·5	37	1014
8. ENGLAND, S.W.	79	14	56·0	43·8	49·5	*	2898	−190	408	+ 70	161	−14	33·39	849	− 6	4·7	+0·1	37	1014
9. IRELAND, NORTH ...	75	18	54·5	42·5	48·3	*	2542	− 89	460	+ 60	194	−13	29·11	741	−126	3·9	+0·1	31	1013
10. IRELAND, SOUTH ...	78	20	56·4	43·9	49·9	*	2984	− 51	389	+ 83	192	+ 8	35·19	898	+ 5	4·3	+0·1	34	1014
11. ENGLISH CHANNEL ...	81	27	57·2	47·1	52·0	*	3428	−195	139	+ 28	156	−31	28·51	719	+ 4	5·2	−0·4	42	1015

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., December 2nd, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 48. FORTY-EIGHTH WEEK, SUNDAY, NOVEMBER 28TH, TO SATURDAY, DECEMBER 4TH, 1915.

Price 6d., Post free 7d.
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I.—Remarks.

Varied atmospheric conditions were experienced during this period. In Ireland temperature preserved much about the same level from day to day; in Scotland it was moderate at the commencement and very low at the close; while over a great part of England the week began cold and became abnormally mild at the end. On November 28 maxima below 40° occurred in most English districts, 33° at Edgbaston, Marlborough and other stations, 32° at Little Massingham, while Castlebay touched 48° on that day. At Marlborough and Wisley the minimum on the same day was 17°. On December 4 Scotland had many minima below 20°—Balmoral recorded 9°—while several maxima were from 26° to 32°. By this time maxima above 50° had become common in the south, above 55° in several localities, 58° at Bath. For the whole week the results differed but little from the average over southern England and Ireland and the English Channel, but elsewhere they were deficient. Rain was infrequent in Scotland, but there were a few considerable falls on November 29, when Crieff measured 32 mm., Stornoway having the same quantity next day. Over England and Ireland rain was frequent and generally heavy, there being numerous instances of more than 20 mm. in a day. Aspatria and West Witton had 3 in. of snow on the 3rd. Sunshine was moderate to scanty over the country generally. Thunder was heard in Guernsey on November 30, and a thunderstorm, with hail, visited Worthing. Next day a thunderstorm worked up from Cornwall across the south of England, with hail locally. At Worthing it was attended by a severe squall, which destroyed many trees, and caused considerable structural damage. Aurora was reported at Fort William on December 2.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ... Warmth ...	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate
Comparison with average for the time of year ... Rainfall ...	Moderate	Moderate	Very heavy	Heavy	Very heavy	Very heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Very heavy
Comparison with average for the time of year ... Sunshine ...	Moderate	Moderate	Moderate	Scanty	Scanty	Very scanty	Moderate	Scanty	Scanty	Moderate	Scanty	Scanty

THE SEASON.

WINTER. 1 week from Nov. 28th, 1915. Warmth ...	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0
WINTER. 1 week from Nov. 28th, 1915. Rainfall ...	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0
WINTER. 1 week from Nov. 28th, 1915. Sunshine ...	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1

PAST SEASONS.

WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks. Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks. Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks. Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks. Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
SPRING, 1915. Feb. 28th–May 29th. 13 weeks. Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
SPRING, 1915. Feb. 28th–May 29th. 13 weeks. Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks. Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks. Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks. Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6
AUTUMN, 1915. Aug. 29th–Nov. 27th. 13 weeks. Warmth ...	4, 3, 6	3, 3, 7	4, 4, 5	3, 5, 5	3, 4, 6	3, 2, 8	4, 2, 7	4, 3, 6	3, 4, 6	5, 2, 6	6, 0, 7	4, 2, 7
AUTUMN, 1915. Aug. 29th–Nov. 27th. 13 weeks. Rainfall ...	2, 2, 9	5, 2, 6	2, 4, 7	4, 3, 6	2, 4, 7	4, 3, 6	0, 5, 8	1, 3, 9	3, 2, 8	1, 5, 7	5, 2, 6	4, 3, 6
AUTUMN, 1915. Aug. 29th–Nov. 27th. 13 weeks. Sunshine ...	7, 2, 4	5, 5, 3	4, 5, 4	2, 6, 5	2, 8, 3	2, 6, 5	6, 3, 4	7, 5, 1	6, 4, 3	5, 4, 4	4, 5, 4	3, 7, 3

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, December 4th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	45	44	44·8	−0·7	IRELAND, S.W. Cleggan	48	45	46·7	+0·9
SCOTLAND, N. Wick*	45	44	44·5	−2·9	ENGLAND, N.E. Burnmouth, Berwick	42	39	40·6	−3·2
SCOTLAND, W. Ballantrae	47	41	44·4	−0·4	ENGLAND, E. Shipwash Lightship	—	—	—	—
ENGLAND, S.W. Scilly	—	—	—	—	ENGLAND, S.E. Eastbourne‡	46	41	43·9	−3·4
ENGLAND, S.W. Plymouth‡	50	48	49·1	−2·0	ENGLAND, N.W. Port Erin	49	47	48·2	−1·2
IRELAND, N.W. Sheephaven	46	45	45·3	−1·8					

* Three days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Average.	No. of Rain-Days.	Rainfall in the Week.		Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.								Ground Frosts.	Lowest Reading.	Mean.	Difference from Average.	Mean.	Difference from Average.	
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr	hr.	%	°	°	°	°	°	°	
p Baltasound	*31*																					*Baltasound.*
a Lerwick	54	44	28, 29, 1	27	4th	40·6	35·1	38·0	− 3·9	6	0·84	21	—	0·0	0·0	13	•	•	•	•	•	•	Deerness.
a Stornoway	51	46	28, 1	27	4th	41·1	36·3	38·8	− 3·0	7	2·33	59	+ 25	0·8	− 0·4	12	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd.	*37*	*48*	*28th*	*34*	*4th*	*43·7*	*39·3*	*41·6*	*− 3·2*	*6*	*1·01*	*26*	—	*0·8*	—	*11*	•	•	•	•	•	•	*Castlebay.*
a Wick	81	45	1st	20	4th	41·3	32·3	37·0	− 4·0	6	0·48	12	− 5	•	•	•	•	•	•	•	•	•	
p Strathpeffer	200	45	28th	19	4th	40·9	30·1	35·7	− 4·1	4	0·92	23	+ 5	1·0	0·0	14	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500	44	28, 30	20	4th	39·3	30·3	35·0	− 4·9	4	0·88	22	− 33	•	•	•	•	•	•	•	•	•	
p Fort Augustus	68	44	30, 1	16	4th	40·6	32·0	36·5	− 4·1	4	0·29	7	− 20	0·5	+ 0·2	7	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	45	1st	19	4th	40·0	32·0	36·2	− 5·8	3	0·60	15	− 38	•	•	•	•	•	•	•	•	•	
1. SCOTLAND, E.														0·9	—	13	4	13	37·1	−1·9	40·7	−2·4	Crathes.
p Gordon Castle	101	45	28th	18	4th	40·3	31·0	35·8	− 5·1	5	0·50	13	− 1	*0·7*	—	*10*	•	•	•	•	•	•	*Gordon Castle.*
a Nairn	82	45	28th	23	4th	39·0	29·6	34·5	− 5·5	5	0·39	8	− 4	0·6	—	9	•	•	•	•	•	•	Nairn.
a Aberdeen	46	46	29th	25	4th	40·6	32·9	36·9	− 4·1	4	0·75	19	+ 2	1·6	0·0	23	•	•	•	•	42·2	−1·6	Aberdeen.
a Balmoral	930	43	29, 30	9	4th	38·3	27·9	33·3	− 3·9	3	0·64	16	− 5	•	•	•	•	•	•	•	•	•	Balmoral.
p Crieff	432	46	2nd	22	4th	39·1	29·6	34·5	− 5·6	3	1·48	38	+ 12	1·0	—	14	•	•	•	•	•	•	Balruddery.
a Leith	18	43	28, 30, 2	26	30th	40·9	31·7	36·5	− 5·6	4	0·24	6	− 5	•	•	•	•	•	•	•	•	•	
a West Linton	769	41	1, 2	20	29th	36·7	26·9	32·0	− 5·1	6	0·42	11	—	*0·7*	—	*10*	7	13	•	•	•	•	*West Linton.*
p Marchmont	498	41	2nd	19	29th	38·1	29·0	33·7	− 5·9	5	1·10	28	+ 11	0·5	− 0·9	7	6	16	•	•	•	•	Marchmont.
a Edinburgh	*441*	*43*	*30th*	*23*	*29th*	*40·7*	*30·4*	*35·8*	—	*5*	*0·54*	*9*	—	0·7	—	10	5	18	•	•	•	•	Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	44	30, 1	24	4th	40·3	32·3	36·5	− 5·6	3	0·93	24	− 8	•	•	•	•	•	•	•	•	•	
p Glasgow Observatory	180	43	30, 2	29	29, 4	40·1	33·3	36·8	− 4·9	4	0·38	10	− 12	1·0	+ 0·4	14	4	19	•	•	•	•	Glasgow.
p Rothesay	170	45	30, 1	30	29th	42·0	33·7	38·0	− 4·6	3	0·91	23	− 7	*0·9*	—	*12*	4	26	37·6	•	43·9	−1·0	*Rothesay.*
a Kilmarnock	90	43	30, 1	26	2nd	39·3	30·0	34·8	− 6·9	5	0·28	7	—	*0·5*	—	*7*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	45	30, 1	23	3rd	41·6	31·0	36·5	− 5·4	5	0·83	21	− 10	•	•	•	4	20	•	•	•	•	
a Dumfries	160	43	30, 1	23	29th	39·6	31·6	35·8	− 5·6	5	0·96	24	+ 1	*0·6*	—	*8*	4	19	34·4	•	40·6	•	*Dumfries.*
Eskdalemuir	*799*	*42*	*2nd*	*18*	*29th*	*37·0*	*25·7*	*31·6*	—	*5*	*1·34*	*34*	—	*0·6*	—	*8*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse	120	47	2nd	27	29th	42·1	33·0	37·7	− 3·6	4	1·29	33	+ 2	•	•	•	•	•	•	•	•	•	
b. I. OF MAN. *p* Douglas	277	49	30th	35	29th	44·9	37·6	41·4	− 2·7	5	1·25	32	+ 4	1·0	− 0·7	13	1	29	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	210	43	2nd	23	29th	40·9	28·4	34·9	− 6·3	5	0·91	23	+ 5	0·5	—	7	6	20	34·4	−3·4	40·3	−2·1	Cockle Park.
a Tynemouth	71	45	1st	25	29th	41·6	31·7	36·9	− 5·2	5	1·50	38	+ 26	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	44	2nd	22	29th	39·6	32·1	36·0	− 4·1	5	1·76	45	+ 33	1·1	− 0·4	15	4	19	•	•	•	•	Durham.
a, North ..{ *p* Rounton	249	44	1st	23	29th	40·6	31·6	36·3	− 4·1	6	1·29	33	+ 22	•	•	•	6	19	36·9	•	•	•	Rounton.
a West Witton	*605*	*43*	*2nd*	*18*	*29th*	*39·3*	*27·9*	*33·8*	—	*6*	*1·66*	*42*	—	•	•	•	5	12	35·1	•	41·7	•	*West Witton.*
p Scarborough	100	45	2nd	26	29th	42·7	34·3	38·7	− 3·7	6	1·60	41	+ 27	1·0	—	13	•	•	•	•	46·6†	•	Scarborough.
p York	56	45	2nd	24	29th	41·4	31·0	36·4	− 5·1	6	1·49	38	+ 27	1·0	0·0	13	•	•	39·2	−2·7	45·3	−1·2	York.
b, South ..{ *a* Spurn Head	26	44	30th	30	28, 29	41·6	33·3	37·6	− 5·3	4	1·57	40	+ 30	*1·4*	—	*18*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	47	30th	27	3rd	42·9	30·1	36·8	− 4·2	4	1·57	40	+ 29	•	•	•	•	•	35·7	−4·3	44·8	−1·4	Lincoln.
a Fulbeck	180	47	30th	23	29th	42·7	30·0	36·6	− 3·6	6	1·61	41	+ 30	1·2	—	15	6	17	37·3	−3·7	45·7	−1·6	Rauceby.
														1·6	—	20	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
p Cromer	196	47	4th	28	28, 29	44·0	35·6	40·0	− 0·6	6	1·02	26	—	1·1	—	14	•	•	•	•	•	•	Cromer.
p Little Massingham	280	52	4th	22	29th	44·0	32·7	38·6	− 1·9	5	1·18	30	+ 16	1·3	—	16	4	20	•	•	•	•	Lit. Massingham.
a, North ..{ *a* Yarmouth	13	55	4th	30	30th	47·0	36·3	41·9	− 0·2	5	0·69	17	+ 4	1·5	—	19	•	•	41·6	+0·5	46·9	0·0	Yarmouth.
a Norwich	93	55	4th	28	28, 29	46·1	34·1	40·3	− 1·2	6	0·89	23	—	*1·3*	—	*16*	4	21	37·4	•	•	•	*Norwich.*
a Geldeston	37	56	4th	29	29th	48·0	35·1	41·8	− 0·4	6	0·67	17	+ 4	1·2	− 0·6	15	•	•	•	•	•	•	Geldeston.
p Cambridge	41	56	4th	21	28th	47·1	32·4	40·0	− 1·4	5	0·79	20	+ 10	1·0	− 0·6	13	4	20	38·6	−2·9	45·5	−1·6	Cambridge.
b, South ..{ *a* Clacton-on-Sea	54	51	4th	27	28th	45·4	37·4	41·6	− 1·0	5	1·26	32	—	0·9	—	11	0	31	40·1	−4·9	45·9	−2·5	Clacton.
a Rothamsted	424	53	4th	22	28, 29	45·7	33·1	39·7	− 1·5	6	1·25	32	+ 17	0·6	− 1·0	7	5	13	38·6	•	•	•	Rothamsted.
p Tottenham	51	56	4th	26	28th	48·6	37·7	43·4	+ 0·9	6	1·49	38	—	0·3	—	4	2	22	•	•	46·1	−2·1	Tottenham.
4. MIDLAND COUNTIES.																							
a North ..{ *a* Harrogate	479	44	2nd	19	29th	39·0	30·1	34·7	− 5·7	6	2·03	52	+ 37	1·0	—	13	5	18	37·1	−3·8	41·3	−3·1	Harrogate.
p Buxton	*987*	*42*	*30, 2*	*21*	*29th*	*38·3*	*29·4*	*34·0*	*− 5·0*	*6*	*1·50*	*38*	*+ 10*	*0·6*	—	*8*	6	14	34·1	−5·3	43·2	−2·7	*Buxton.*
														0·7	—	9	4	19	37·2	−3·5	44·3	−2·1	Sheffield.
a Bawtry	65	44	30th	21	29th	41·1	28·9	35·2	− 5·4	5	1·64	42	+ 31	0·7	− 0·6	9	7	17	36·3	•	42·6	•	Worksop.
a Nottingham	82	47	1st	20	29th	43·6	28·7	36·5	− 4·7	6	1·39	35	+ 24	0·7	—	9	6	19	34·3	−5·3	40·9	−3·9	Nottingham.
b, East ..{ *p* Birmingham, Edgbsn.	535	50	4th	23	29th	43·6	33·6	38·8	− 2·2	6	1·22	31	+ 17	0·5	—	6	3	16	39·2	−2·7	45·8	−1·6	Birmingham.
a Raunds	203	54	4th	20	29th	45·9	29·6	38·1	− 2·8	5	0·96	25	—	*1·1*	—	*14*	6	14	39·8	•	48·4	•	*Raunds.*
p Oxford	208	55	4th	18	28th	47·0	34·4	41·0	− 0·7	6	1·30	33	+ 20	0·7	− 0·9	9	4	14	•	•	•	•	Oxford.
a Cheadle	646	44	3rd	21	29th	41·0	30·6	36·0	− 4·2	6	1·91	49	+ 32	•	•	•	5	20	•	•	•	•	Cheadle.
p Shrewsbury	191	49	3rd	23	29th	45·9	31·6	39·0	− 3·7	5	1·33	34	—	•	•	•	5	19	•	•	•	•	Shrewsbury.
c, West ..{ *a* Hereford§	291	52	4th	19	28th	44·9	30·6	38·0	− 3·6	6	1·29	33	+ 19	*0·8*	—	*10*	6	15	36·7	•	43·3	•	*Malvern.§*
a Cirencester	446													•	•	•	•	•	•	•	•	•	Cirencester.
a Bath	66	58	4th	20	28th	49·4	33·6	41·8	− 0·7	6	1·34	34	+ 16	0·5	—	6	•	•	•	•	•	•	Bath.
5. ENGLAND, S.E.														0·1	—	1	2	22	40·8	−2·3	46·3	−2·4	Worthing.
a Marlborough	424	54	4th	17	28th	45·7	32·1	39·2	− 1·6	6	1·94	49	+ 31	0·7	− 0·6	9	4	13	38·9	•	46·3	•	Marlborough.
a Margate	53	56	4th	29	28th	48·9	38·6	44·0	+ 0·5	5	1·49	38	+ 25	0·6	− 1·1	7	2	27	41·4	−2·7	45·8	−1·2	Margate.
a Wisley, Surrey	150	55	4th	17	28th	47·7	35·0	41·6	− 1·3	6	1·77	45	—	0·4	—	5	4	9	39·5	−2·6	44·7	−2·4	Wisley.
p Salisbury (Wilton)	180	55	4th	20	28th	47·9	33·3	40·9	− 0·9	6	2·25	57	+ 37	•	•	•	3	17	38·0	•	•	•	Salisbury.
a Tunbridge Wells	354	55	4th	25	28th	48·4	36·6	42·7	+ 0·6	6	2·40	61	+ 42	0·3	− 1·5	4	2	16	41·7	+0·2	46·3	•	Tunbridge Wells.
a Dungeness	21	53	4th	25	28th	48·3	33·9	42·8	− 1·5	6	1·73	44	+ 30	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	54	4th	31	28th	48·6	40·6	44·8	+ 0·8	6	1·61	41	+ 23	0·7	− 1·4	8	2	28	40·8	•	46·0	•	Hastings.
p Southampton	64	54	4th	28	28th	48·3	40·0	44·3	+ 0·6	7	2·86	73	+ 55	0·1	− 1·7	1	2	18	•	•	•	•	Southampton.
a Ventnor	59	54	4th	35	28, 29	50·4	41·7	46·2	− 0·2	7	2·45	62	+ 43	0·1	− 1·8	1	•	•	•	•	•	•	Ventnor.
[LONDON. *p* Kew	18	55	4th	21	28th	47·3	36·5	42·1	− 0·3	6	1·60	41	+ 29	0·4	− 1·0	5	4	19	37·9	−4·0	44·8	−2·9	Kew.
a Westminster	*27*	*57*	*4th*	*25*	*28th*	*49·3*	*35·8*	*42·8*	*+ 0·2*	*6*	*1·36*	*35*	*+ 22*	*0·3*	*− 0·3*	*4*	2	23	•	•	•	•	*Westminster.*
a Greenwich	*155*	*55*	*4th*	*23*	*28th*	*47·6*	*35·9*	*42·0*	*− 0·6*	*6*	*1·65*	*42*	*+ 29*	*0·6*	*− 0·7*	*7*	2	18	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*54*	*4th*	*26*	*28, 29*	*46·1*	*34·4*	*40·5*	—	*6*	*1·59*	*40*	—	*0·6*	—	*7*	5	9	•	•	•	•	*Hampstead.*
a Camden Square	*110*	*55*	*4th*	*26*	*28th*	*47·4*	*36·6*	*42·2*	—	*6*	*1·66*	*40*	—	*0·2*	—	*2*	2	25	•	•	•	•	*Camden Square.*
7. *a*, ENGLAND, N.W.														0·9	—	11	•	•	•	•	•	•	Hoylake.
p Aspatria	250	45	30th	25	29th	40·4	32·3	36·5	− 4·7	5	0·94	24	0	1·0	—	13	3	19	35·2	•	44·0	•	Aspatria.
p Newton Rigg	559	44	2nd	23	29th	38·6	31·3	35·1	− 4·7	5	0·66	17	− 5	0·4	− 1·0	5	7	17	35·3	−5·2	41·6	−3·0	Newton Rigg.
p Stonyhurst	375	43	1, 2	24	29th	39·6	32·9	36·4	− 5·1	3	0·98	25	− 1	0·6	− 0·6	8	4	29	•	•	•	•	Stonyhurst.
p Blackpool	66	45	1, 2	25	29th	41·1	32·6	37·0	− 5·6	5	1·25	52	+ 13	0·9	—	12	4	20	38·4	•	46·3	•	Blackpool.
a Southport	*37*	*44*	*1, 2*	*23*	*28th*	*40·9*	*32·3*	*36·3*	*− 6·1*	*6*	*1·39*	*35*	*+ 17*	*0·7*	*− 0·5*	*9*	3	18	33·3	−6·2	40·8	−3·6	*Southport.*
a Liverpool (Bidston)	188	45	2nd	25	28, 29	42·0	32·3	37·3	− 5·0	5	1·18	30	+ 16	*1·1*	—	*14*	•	•	•	•	•	•	*Liverpool.*
a Hawarden Bridge	*22*	*47*	*30, 2, 3*	*23*	*28th*	*44·1*	*31·9*	*38·2*	*− 5·6*	*5*	*1·36*	*35*	*+ 22*	*0·2*	—	*3*	2	23	34·9	−5·4	43·9	−3·0	*Manchester (City)*
p Manchester (Whit. Pk.)	125	45	30, 1	26	29th	42·3	34·3	38·5	− 3·8	5	1·78	45	+ 30	*0·4*	*0·0*	*5*	•	•	•	•	•	•	" (Whit. Park)
b NORTH WALES.																							
p Llandudno	71	47	2nd	26	29th	43·7	35·0	39·5	− 5·4	5	1·45	37	+ 20	0·9	− 0·6	11	•	•	•	•	•	•	Llandudno.
a Holyhead	15	50	30th	33	29th	46·7	39·1	43·1	− 2·4	5	1·10	28	+ 4	*0·6*	—	*8*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed	*148*	*48*	*3, 4*	*22*	*29th*	*44·3*	*32·4*	*38·6*	*− 6·0*	*5*	*0·74*	*19*	—	*0·6*	—	*8*	•	•	35·6	−6·2	43·1	−3·4	*Bettws-y-Coed.*
														0·7	—	9	•	•	•	•	•	•	Aberdovey.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average.	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.														0·8	—	10	*	*	*	*	*	*	
a Llangammarch Wells	550	52	4th	23	28th	44·6	31·6	38·4	− 2·4	6	2·54	65	—	0·0	—	0	4	16	37·0	−5·7	44·6	−3·4	Aberystwyth.
a Pembroke	149	52	3, 4	38	29th	49·6	41·9	45·9	− 0·7	6	2·13	54	+ 31	0·5	− 1·3	6	*	*	*	*	*	*	Llangammarch.
p Cardiff	202	*53*	4th	27	28, 29	47·0	36·1	41·8	− 0·7	6	1·75	44	+ 19	*0·4*	—	*5*	4	23	38·5	−3·6	45·3	−1·9	Pembroke.
																							Cardiff.
b, ENGLAND, S.W.																							
a Clifton	229	57	4th	26	28th	48·6	36·1	42·6	− 0·9	6	1·73	44	+ 24	*0·4*	—	*5*	2	23	*	*	*	*	*Clifton.*
a Shaftesbury	722	53	4th	29	29th	46·6	37·4	42·2	0·0	6	2·07	53	+ 33	*	*	*	*	*	38·9	*	45·2	*	Shaftesbury.
a Arlington	613	55	4th	31	28, 29	47·9	36·0	42·2	− 1·0	6	2·91	74	+ 40	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*56*	*4th*	*30*	*28th*	*50·7*	*39·9*	*45·5*	− *1·6*	6	2·37	*60*	+ *39*	0·5	− 1·6	6	2	24	43·4	*	47·7	*	Newquay.
a Cullompton	202	56	4th	25	28, 29	48·9	34·3	41·9	− 1·4	7	1·89	48	+ 26	0·2	− 1·3	*2*	4	17	40·4	*	*	*	Cullompton.
a Portland Bill	12	54	4th	35	28th	50·4	43·3	47·0	+ 1·0	6	1·85	47	—	*0·3*	—	*4*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	118	55	3, 4	35	28, 29	50·7	41·9	46·5	+ 0·5	7	1·94	49	+ 26	0·5	− 1·4	6	*	*	42·0	−3·5	46·9	*	Plymouth.
a Falmouth	167	55	4th	38	28, 29	51·3	42·4	47·0	− 0·1	8	2·65	67	+ 37	0·9	− 1·2	11	0	33	45·0	*	48·6	*	Falmouth.
9. IRELAND. N.																							
a, West .. { *a* Malin Head	208	49	1st	34	4th	43·4	37·0	40·3	− 3·8	3	0·28	7	− 12	*1·5*	—	*20*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	47	28, 30, 3	36	4th	45·1	40·0	42·7	− 2·7	6	2·14	54	+ 21	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	47	2nd	27	2nd	43·6	33·0	38·5	− 3·9	5	1·32	34	+ 9	0·3	− 0·7	*10*	3	26	41·6	*	46·8	*	Markree Castle.
a Birr Castle	175	48	3rd	33	30th	44·9	36·4	40·8	− 1·7	6	1·18	30	+ 11	*0·5*	− *1·3*	*6*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	45	30, 1, 2	30	2, 3	42·9	34·1	38·7	− 3·5	4	1·07	27	+ 9	1·6	+ 0·1	21	3	24	40·5	−1·2	45·1	−1·5	Armagh.
a Donaghadee	101	47	1, 2	34	28, 30	44·4	37·1	40·9	− 2·7	5	0·94	24	+ 6	*	*	*	*	*	*	*	*	*	*
														*	*	*	5	26	41·2	−1·7	44·5	−2·6	Trinity Coll.
10. IRELAND, S.														0·9	− 1·1	12	2	24	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	48	30th	34	2nd	45·7	38·7	42·3	− 2·4	6	0·97	25	+ 10	*	*	*	1	30	*	*	*	*	Dublin City.
a Kilkenny	212	49	4th	28	30th	46·7	35·6	41·4	− 1·5	6	0·96	24	+ 5	*	*	*	*	*	*	*	*	*	*
a Waterford	20	51	3, 4	32	30th	48·4	38·1	43·5	− 0·7	6	1·74	44	+ 20	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*50*	*3rd*	*35*	*30th*	*45·7*	*37·3*	*41·7*	—	6	1·64	*42*	—	*0·6*	—	*8*	1	28	*	*	*	*	*Seskin.*
b, West .. { *a* Birr Castle	175	48	3rd	33	30th	44·9	36·4	40·8	− 1·7	6	1·18	30	+ 11	0·5	− 1·3	6	*	*	*	*	*	*	Birr Castle.
a Foynes	50	52	3rd	34	2nd	47·0	37·0	42·2	− 2·6	6	1·20	30	+ 5	*	*	*	*	*	*	*	*	*	*
a Cahir	199	50	3rd	30	30, 4	46·4	34·9	40·9	− 3·3	7	1·22	31	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	53	3rd	34	2nd	48·5	38·7	43·8	− 1·2	7	1·87	47	+ 10	*	*	*	*	*	*	*	*	*	*
a Valencia	30	54	3rd	36	2, 3	50·3	39·9	45·3	− 1·6	7	1·46	37	+ 2	1·8	0·0	23	*	*	*	*	*	*	Valencia.
a Roche's Point	32	52	3rd	35	2nd	49·7	41·4	45·7	− 0·5	7	2·02	51	+ 23	0·9	—	11	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	4th	36	29th	51·9	43·7	48·0	− 1·1	6	2·21	56	+ 34	1·4	− 0·7	17	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	57	4th	30	29th	52·6	42·3	47·7	+ 0·3	7	1·98	50	+ 27	1·1	− 1·2	13	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	56	4th	31	28, 29	52·4	42·3	47·6	− 0·1	7	2·33	60	+ 34	0·9	− 0·8	11	2	25	45·4	−1·9	49·3	−1·9	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, December 4th, 1915.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.		Date and Hour.		Highest Gust with Date and Time.		
	ft.	ft.		hr.		hr.	hr.*	hr.	hr.	hr.		m/s.			m/s.	d.	h. m.
1. SCOTLAND, E.																	
Dyce	75	‡15**	—	—	—	—	8	57	64	39	ESE.	6	30th	2h.	15	30th	1 . 33
Aberdeen‖	105	37 / 52 ‖	—	—	30th	5	43	110	10	0	SE. by E.	13	30th	2h.	18	30th	2 . 29
Edinburgh	39	31	—	—	28th	5	31	92	40	0	S.	13	28th	1h.	20	28th	2 . 16
6. SCOTLAND, W.																	
Eskdalemuir ..	50	22	—	—	—	—	47	84	29	8	NE.	10	4th	15h.	15	28th	9 . 37
Paisley (Coats Obs.)	81	52	—	—	—	—	14	108	46	0	SW. by S.	7	28th	10h.	16	28th	13 . 27
2. ENGLAND, N.E.																	
Alnwick Castle ..	70	17	—	—	—	—	1	78	81	8	SSE.	6	29th	22h.	11	29th	10 . 7
South Shields ..	61	12	—	—	4th	4	42	107	15	0	E by N.	12	4th	19h.	15	4th	18 . 43
Spurn Head ..	40	‡	—	—	29th	4	98	31	0	35	—	11	29th	18h.	14	4th	20 . 42
3. ENGLAND, E.																	
Gorleston	42	‡	—	—	28 to 1, 4	16	96	30	0	26	—	12	4th	22h.	19	4th	24 . 6
Shoeburyness ..	90	‡	—	—	1, 4	10	112	38	8	0	—	14	4th	19h.	20	4th	19 . 7
4. MIDLAND COUNTIES.																	
Benson	84	‡	—	—	4th	3	82	63	20	0	SW.	12	4th	19h.	20	4th	22 . 25
5. ENGLAND, S.E.																	
Dover	40	‡	1, 4	3	29 to 1, 4	44	70	2	0	49	—	18	4th	21h.	26	4th	20 . 35
Warlingham ..	33	‡	—	—	4th	1	58	105	4	0	—	11	4th	18h.	22	4th	18 . 25
Brighton	53	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kew†	65	6 / 22 ‖	—	—	—	—	39	111	18	0	SW.	10	4th	20h.	18	4th	21 . 45
South Kensington ..	92	30	—	—	—	—	10	118	40	0	SSW.	7	4th	20h.	15	4th	18 . 42
7. ENGLAND, N.W.																	
Carnforth	56	23	—	—	—	—	8	100	60	0	SSE.	6	28th	19h.	12	28th	17 . 27
Southport	62	48	—	—	—	—	111	52	5	0	ENE.	10	4th	15h.	14	4th	16 . 1
Holyhead*	40	‡	—	—	28, 2, 4	5	98	37	3	25	S.	11	28th	16h.	17	28th	13 . 6
8. ENGLAND, S.W.																	
Pendennis Castle§ ..	65	24	1, 4	21	28 to 4	63	44	12	5	23	SW.	22	4th	15h.	29	4th	15 . 25
Plymouth	88	2	30, 4	3	28 to 2, 4	69	83	13	0	0	—	19	4th	16h.	27	30th	22 . 59
10. IRELAND, S.																	
Quilty	40	‡	—	—	29, 3	10	102	49	2	5	—	13	29th	7h.	18	29th	7 . 7
Weaver Pt.	30	‡	—	—	28 to 1	26	74	54	14	0	—	13	30th	20h.	21	30th	19 . 12
11. ENGLISH CHANNEL.																	
Scilly*	32 / 19	‡	1, 4	4	1 to 4	34	89	31	10	0	W.	18	1st	10h.	26	1st	10 . 31

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTY-EIGHTH WEEK—November 28th to December 4th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	46	16	40·5	32·6	36·7	− 3·6	0	− 12	37	+ 12	5	− 1	0·91	23	− 13	0·8	−0·1	11	997
Eastern.																			
1. SCOTLAND, EAST ...	46	9	39·1	29·8	34·7	− 4·6	0	− 11	51	+ 20	4	+ 1	0·68	17	− 1	0·9	−0·4	12	997
2. ENGLAND, N.E.	47	22	41·6	31·4	36·7	− 4·4	0	− 14	37	+ 16	5	0	1·48	38	+ 26	1·1	−0·4	14	998
3. ENGLAND, EAST ...	56	21	46·2	34·9	40·8	+ 0·1	12	− 3	30	+ 5	6	+ 3	1·03	26	+ 13	1·0	−0·6	12	1000
4. MIDLAND COUNTIES ...	58	18	44·1	31·2	37·9	− 2·5	6	− 9	41	+ 15	6	+ 2	1·44	37	+ 24	0·7	−0·7	9	998
5. ENGLAND, S.E.	56	17	48·2	37·1	42·9	+ 0·5	27	+ 6	14	− 4	6	+ 3	2·01	51	+ 35	0·4	−1·2	5	1000
Western.																			
6. SCOTLAND, WEST ...	49	23	41·2	32·8	37·2	− 5·0	0	− 17	34	+ 17	4	0	0·85	22	− 10	1·0	−0·2	13	998
7. ENGLAND, N.W.	50	23	41·8	33·7	37·9	− 4·4	0	− 18	29	+ 14	5	+ 1	1·17	30	+ 8	0·8	−0·5	10	996
8. ENGLAND, S.W.	57	23	48·6	38·1	43·6	− 0·1	28	+ 3	11	− 3	6	+ 2	2·15	55	+ 30	0·5	−1·3	6	997
9. IRELAND, NORTH ...	49	27	44·1	36·3	40·3	− 2·0	6	− 12	22	+ 6	5	0	1·16	29	+ 7	1·2	−0·3	16	994
10. IRELAND, SOUTH ...	54	28	47·5	37·9	42·9	− 0·9	24	− 2	11	− 2	6	+ 1	1·40	35	+ 12	1·0	−0·7	12	993
11. ENGLISH CHANNEL ...	57	30	52·3	42·8	47·8	+ 0·5	41	+ 1	0	− 2	7	+ 2	2·18	55	+ 32	1·1	−0·8	13	998

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 1 Week, November 28th to December 4th, 1915.

0. SCOTLAND, NORTH ...	46	16	40·5	32·6	36·7	*	0	− 12	37	+ 12	5	− 1	0·91	23	− 13	0·8	−0·1	11	997
Eastern.																			
1. SCOTLAND, EAST ...	46	9	39·1	29·8	34·7	*	0	− 11	51	+ 20	4	+ 1	0·68	17	− 1	0·9	−0·4	12	997
2. ENGLAND, N.E.	47	22	41·6	31·4	36·7	*	0	− 14	37	+ 16	5	0	1·48	38	+ 26	1·1	−0·4	14	998
3. ENGLAND, EAST ...	56	21	46·2	34·9	40·8	*	12	− 3	30	+ 5	6	+ 3	1·03	26	+ 13	1·0	−0·6	12	1000
4. MIDLAND COUNTIES ...	58	18	44·1	31·2	37·9	*	6	− 9	41	+ 15	6	+ 2	1·44	37	+ 24	0·7	−0·7	9	998
5. ENGLAND, S.E.	56	17	48·2	37·1	42·9	*	27	+ 6	14	− 4	6	+ 3	2·01	51	+ 35	0·4	−1·2	5	1000
Western.																			
6. SCOTLAND, WEST ...	49	23	41·2	32·8	37·2	*	0	− 17	34	+ 17	4	0	0·85	22	− 10	1·0	−0·2	13	998
7. ENGLAND, N.W.	50	23	41·8	33·7	37·9	*	0	− 18	29	+ 14	5	+ 1	1·17	30	+ 8	0·8	−0·5	10	996
8. ENGLAND, S.W.	57	23	48·6	38·1	43·6	*	28	+ 3	11	− 3	6	+ 2	2·15	55	+ 30	0·5	−1·3	6	997
9. IRELAND, NORTH ...	49	27	44·1	36·3	40·3	*	6	− 12	22	+ 6	5	0	1·16	29	+ 7	1·2	−0·3	16	994
10. IRELAND, SOUTH ...	54	28	47·5	37·9	42·9	*	24	− 2	11	− 2	6	+ 1	1·40	35	+ 12	1·0	−0·7	12	993
11. ENGLISH CHANNEL ...	57	30	52·3	42·8	47·8	*	41	+ 1	0	− 2	7	+ 2	2·18	55	+ 32	1·1	−0·8	13	998

THE YEAR.—Aggregates, &c., for the Period of 48 Weeks, January 3rd to December 4th, 1915.

0. SCOTLAND, NORTH ...	80	12	51·7	40·3	45·8	*	2006	− 72	715	+ 41	202	−24	37·13	942	−252	3·4	+0·1	27	1012
Eastern.																			
1. SCOTLAND, EAST ...	80	9	53·1	38·7	45·6	*	2150	−173	932	+160	177	− 9	28·81	754	+ 20	4·0	+0·1	31	1012
2. ENGLAND, N.E.	85	20	54·6	41·5	47·8	*	2543	− 63	576	+ 16	158	−12	22·65	576	− 4	4·3	+0·1	34	1013
3. ENGLAND, EAST ...	90	18	56·0	42·8	49·1	*	2926	− 82	513	−108	167	+ 4	25·22	643	+ 92	4·5	−0·1	36	1013
4. MIDLAND COUNTIES ...	87	18	56·3	40·7	48·2	*	2762	−158	668	+ 17	144	−18	25·89	660	+ 46	4·1	0·0	33	1014
5. ENGLAND, S.E.	88	15	56·7	43·3	49·7	*	3078	−189	445	− 3	137	−19	29·09	744	+119	4·6	0·0	37	1014
Western.																			
6. SCOTLAND, WEST ...	78	14	54·1	41·0	47·3	*	2421	−113	657	+150	166	−29	31·62	805	−299	4·3	+0·3	34	1013
7. ENGLAND, N.W.	77	14	54·6	42·3	48·2	*	2613	−162	530	+ 82	151	−29	27·78	707	−101	4·6	+0·6	36	1013
8. ENGLAND, S.W.	79	14	55·9	43·6	49·4	*	2926	−187	419	+ 67	167	−12	35·54	904	+ 24	4·6	+0·1	37	1014
9. IRELAND, NORTH ...	75	18	54·3	42·4	48·1	*	2548	−101	482	+ 66	199	−13	30·27	770	−119	3·8	+0·1	30	1012
10. IRELAND, SOUTH ...	78	20	56·2	43·7	49·7	*	3008	− 53	400	+ 81	198	+ 9	36·59	933	+ 17	4·2	0·0	34	1014
11. ENGLISH CHANNEL ...	81	27	57 1	47·0	51·9	*	3469	−194	139	+ 26	163	−29	30·69	774	+ 36	5·1	−0·4	41	1014

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., December 9th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 193

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LIMITED, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 49. FORTY-NINTH WEEK, SUNDAY, DECEMBER 5TH, TO SATURDAY, DECEMBER 11TH, 1915.

Price 6d., Post free 7d.
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I.—Remarks.

Very unsettled, wet weather prevailed over the country generally throughout the week. Rain was of daily occurrence in most localities, and snow or hail fell occasionally in many places. On the 5th there were numerous falls of 20 mm. and upwards, 30 at Marchmont and Tenby, 31 at Lerwick and Pembroke, and 37 at Holyhead. On the 9th the amounts ranged up to 28 mm. at West Witton, 29 at Cardiff, and 32 at Arlington; and on the following day to 28 mm. at Poltalloch, and 36 at Castlebay. For the whole period the totals were everywhere in excess of the average, largely so over Scotland East, northern and eastern England and the English Channel. As a rule the snowfalls were not heavy, the principal measurements being 8 cm. at Marchmont and West Linton on the 5th, and 10 cm. at Dumfries, and 13 cm. at West Witton on the 10th. Temperature varied a good deal in the different districts. Some days were very cold in the north, and some very mild in the south. Minima below 20° occurred in Scotland on the 5th and 9th, 8° at Balmoral on the former date, while on the latter date there were a number of maxima from 31° to 35°. Maxima of 50° and upwards were common in the south, 57° at Bath on the 9th, and 58° at Margate next day. During the night of the 9th–10th the thermometer rose above 50° in many places, at 1 a.m. standing at the abnormally high level of 55° in London. Sunshine was scanty in England South-West and the Channel, abundant in Ireland, moderate elsewhere. An auroral display was witnessed in many parts of the country on the 6th, described as bright or vivid in places, and of exceptional brightness at Norwich. On the same date thunder was heard at Kilkenny.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Unusual	Unusual	Unusual	Deficient	Moderate	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Heavy	Very heavy	Very heavy	Very heavy	Very heavy	Very heavy	Heavy	Very heavy	Heavy	Heavy	Moderate	Very heavy
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Abundant	Abundant	Scanty

THE SEASON.

WINTER. 2 weeks from Nov. 28th, 1915.	Warmth ...	0, 0, 2	0, 0, 2	0, 1, 1	1, 1, 0	1, 0, 1	1, 1, 0	0, 0, 2	0, 1, 1	1, 1, 0	0, 1, 1	0, 2, 0	1, 1, 0
	Rainfall ...	1, 1, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 1, 0	2, 0, 0	2, 0, 0	2, 0, 0	1, 1, 0	2, 0, 0
	Sunshine ...	0, 2, 0	0, 2, 0	0, 2, 0	0, 1, 1	0, 1, 1	0, 1, 1	0, 2, 0	0, 1, 1	0, 0, 2	1, 1, 0	1, 0, 1	0, 0, 2

PAST SEASONS.

WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6
AUTUMN, 1915. Aug. 29th–Nov. 27th. 13 weeks.	Warmth ...	4, 3, 6	3, 3, 7	4, 4, 5	3, 5, 5	3, 4, 6	3, 2, 8	4, 2, 7	4, 3, 6	3, 4, 6	5, 2, 6	6, 0, 7	4, 2, 7
	Rainfall ...	2, 2, 9	5, 2, 6	2, 4, 7	4, 3, 6	2, 4, 7	4, 3, 6	0, 5, 8	1, 3, 9	3, 2, 8	1, 5, 7	5, 2, 6	4, 3, 6
	Sunshine ...	7, 2, 4	5, 5, 3	4, 5, 4	2, 6, 5	2, 8, 3	2, 6, 5	6, 3, 4	7, 5, 1	6, 4, 3	5, 4, 4	4, 5, 4	3, 7, 3

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, December 11th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	43	43	43·7	−1·6	IRELAND, S.W. Cleggan	48	45	46·7	+1·4
Wick*	44	43	43·4	−3·3	ENGLAND, N.E. Burnmouth, Berwick	42	40	41·1	−2·3
SCOTLAND, W. Ballantrae	47	40	43·7	−0·8	ENGLAND, E. Shipwash Lightship	—	—	—	—
ENGLAND, S.W. Scilly	—	—	—	—	ENGLAND, S.E. Eastbourne‡	50	47	48·3	+1·0
Plymouth‡	50	50	50·1	−0·3					
IRELAND, N.W. Sheephaven	48	41	44·3	−2·4	ENGLAND, N.W. Port Erin	49	46	47·5	−1·6

* Four days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.		Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
			Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass-Min. Ground Frosts	Grass-Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average	
		Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.	*p Baltasound*	*37*																						*Baltasound.*
a, Islands	a Lerwick	54	39	6,7	28	5,6	38·0	30·7	34·5	− 6·8	7	2·50	63	—	0·5	− 0·3	8							Deerness.
	a Stornoway	51	45	6th	23	5th	40·3	29·9	35·3	− 5·8	6	3·31	84	+ 49	0·8	− 0·2	12							Stornoway.
	a Castlebay, Barra Isd.	*37*	*49*	*5th*	*33*	*9th*	*43·4*	*35·4*	*39·6*	*− 4·5*	*7*	*3·11*	*79*	—	*0·2*	—	*3*							*Castlebay.*
b, Mainland	a Wick	81	45	5,6	19	5,6	41·9	27·4	34·9	− 5·3	7	1·63	41	+ 24										
	p Strathpeffer	200	42	6,8	19	5th	39·3	27·3	33·5	− 5·2	7	2·08	53	+ 35	0·4	− 0·6	6							Strathpeffer.
	p Glencarron	500	43	6,7	17	9th	38·0	27·4	32·9	− 5·8	7	3·29	84	+ 27										
	p Fort Augustus	68	45	6th	16	9th	40·7	29·3	35·2	− 4·5	7	2·31	59	+ 29	0·2	− 0·1	3							Fort Augustus.
	p Fort William	171	46	6th	19	9th	41·4	31·0	36·4	− 5·0	7	2·31	59	+ 6										
1. SCOTLAND, E.	p Gordon Castle	101	46	7th	15	5th	39·6	28·4	34·2	− 5·7	6	1·80	46	+ 32	0·2	—	3	6	14	34·9	−4·0	39·5	−2·6	Crathes.
	a Nairn	*82*	*44*	*7th*	*18*	*5,6*	*38·6*	*26·6*	*32·8*	*− 6·3*	*7*	*1·47*	*37*	*+ 25*	*0·8*	*—*	*12*							*Gordon Castle.*
	a Aberdeen	46	46	6th	25	5,6	41·7	31·4	36·8	− 3·2	7	2·23	57	+ 40	0·6	− 0·8	9							Nairn.
	a Balmoral	930	42	7th	8	5th	38·9	25·4	32·4	− 3·8	6	1·71	43	+ 23				6	5			41·5	−1·6	Aberdeen.
	p Crieff	432	43	7th	22	9th	39·0	29·0	34·2	− 5·0	6	2·25	57	+ 32	0·9	—	13							Balmoral.
	a Leith	18	45	6,7	27	10th	42·3	34·3	38·5	− 2·6	6	2·24	57	+ 46										Balruddery.
	a West Linton	769	42	7th	20	9,10	38·9	29·6	34·4	− 1·6	6	1·98	50	—	*1·2*	—	*17*	5	15					*West Linton.*
	p Marchmont	498	44	6th	25	9th	40·0	30·1	35·3	− 3·3	6	2·97	75	+ 59	1·2	0·0	17	3	20					Marchmont.
	a Edinburgh	*441*	*54*	*7th*	*28*	*9th*	*43·4*	*32·9*	*38·4*	*—*	*6*	*2·04*	*52*	—	1·6	—	23	1	20					Edinburgh.
6. a, SCOTLAND, W.	a Poltalloch	132	44	5,7	21	5th	40·7	31·4	36·2	− 5·0	6	3·47	88	+ 56										
	p Glasgow Observatory	180	44	6,7	27	9th	41·1	34·1	37·7	− 3·1	6	2·35	60	+ 37	1·0	+ 0·5	14	2	18					Glasgow.
	p Rothesay	170	46	7,11	29	9th	43·4	33·6	38·7	− 3·0	7	1·71	43	+ 15	*1·3*	—	*19*	3	20	37·1		42·3	−2·0	*Rothesay.*
	a Kilmarnock	90	46	10th	22	9th	42·1	31·4	37·0	− 4·3	7	1·98	50	—	*1·2*	—	*17*							*Kilmarnock.*
	a Colmonell	170	48	5th	28	9,10	43·4	34·0	38·9	− 2·7	6	1·81	46	+ 16				2	22					
	a Dumfries	160	46	6,7	22	9th	42·9	32·7	38·0	− 2·4	7	2·41	62	+ 39	*1·6*	—	*22*	3	17	35·9		40·0		*Dumfries.*
	Eskdalemuir	*799*	*44*	*6th*	*16*	*10th*	*40·6*	*27·7*	*34·4*	*—*	*7*	*3·42*	*61*	—	*0·8*	—	*11*							*Eskdalemuir.*
	p Cally, Gatehouse	120	46	7th	24	9th	43·4	33·3	38·6	− 1·8	5	2·26	57	+ 26										
b, I. OF MAN.	p Douglas	277	51	10th	32	9th	47·0	36·7	42·1	− 1·2	7	2·39	61	+ 33	1·6	+ 0·1	22	1	26					Douglas.
2. ENGLAND, N.E.	a Alnwick Castle	210	47	6th	25	9,10	44·6	32·6	38·8	− 1·6	6	2·39	61	+ 44	1·2	—	17	2	18	36·1	−2·0	40·1	−1·8	Cockle Park.
	a Tynemouth	71	47	6th	31	9,10	44·4	36·0	40·4	− 0·7	5	1·42	35	+ 25										*Tynemouth.*
	p Durham	336	47	6th	26	9th	43·3	33·1	38·4	− 0·8	6	1·34	34	+ 23	1·8	+ 0·4	25	2	21					Durham.
a, North	p Rounton	249	50	6th	25	9th	44·7	33·9	39·5	+ 0·3	5	1·17	30	+ 20				2	20	38·1				Rounton.
	a West Witton	*605*	*48*	*6th*	*25*	*9, 10*	*42·7*	*31·7*	*37·4*	*—*	*6*	*2·36*	*60*	—				2	19	35·8		40·3		*West Witton.*
	p Scarborough	100	48	6th	35	11th	44·6	37·4	41·1	− 0·4	7	0·90	23	+ 10	1·2	—	16					45·6†		Scarborough.
	p York	56	51	6th	28	9th	45·7	35·1	40·6	+ 0·1	6	1·60	41	+ 30	1·0	+ 0·1	14			40·2	−1·2	44·1	−1·4	York.
b, South	a Spurn Head	26	53	10th	32	9th	46·1	37·4	41·9	+ 0·1	5	1·22	31	+ 21	*1·4*	—	*18*							*Spurn Head.*
	a Lincoln	58	53	7, 9	30	9th	50·1	36·5	43·6	+ 3·6	5	1·19	30	+ 19						39·2	−1·0	44·0	−1·3	Lincoln.
	a Fulbeck	180	55	10th	27	9th	49·3	36·3	43·1	+ 4·0	7	1·60	41	+ 30	1·3	—	17	2	22	41·0	−0·3	44·9	−1·5	Rauceby.
															1·5	—	20							Skegness.
3. ENGLAND, E.	p Cromer	196	55	10th	32	9th	48·9	38·6	44·0	+ 4·5	6	0·85	22	—	1·3	—	17							Cromer.
	p Little Massingham	280	54	10th	29	9th	49·0	37·1	43·3	+ 3·8	5	1·16	29	+ 15	0·9	− 0·5	12	2	23					Lit. Massingham.
a, North	a Yarmouth	13	56	10th	32	9th	50·1	39·0	44·8	+ 3·9	5	1·06	27	+ 14	1·3	—	17			44·4	+3·1	47·0	+0·6	Yarmouth.
	a Norwich	93	56	10th	29	9th	50·6	37·9	44·5	+ 4·3	6	1·12	28	—	*1·3*	—	*17*	2	23	41·1				*Norwich.*
	a Geldeston	37	57	10th	30	9,10	52·0	38·0	45·3	+ 4·3	5	0·98	25	+ 13	1·1	− 0·6	14							Geldeston.
b, South	p Cambridge	41																						Cambridge.
	a Clacton-on-Sea	54	52	10th	33	9th	49·1	40·4	44·9	+ 3·4	6	1·38	35	—	1·6	—	20	1	26	43·4	−1·0	46·1	−2·0	Clacton.
	a Rothamsted	424	54	10th	29	9th	50·1	36·6	43·6	+ 3·4	6	1·14	29	+ 15	1·2	− 0·3	15	2	20	42·8				Rothamsted.
	p Tottenham	51	57	5th	31	9th	52·9	42·0	47·7	+ 6·5	5	1·76	45	—	1·0	—	13	1	28			46·2	−1·3	Tottenham.
4. MIDLAND COUNTIES.																								
a North	a Harrogate	479	48	6th	27	9th	43·3	33·9	38·8	− 0·5	6	1·97	50	+ 35	1·1	—	15	1	24	38·5	−2·1	40·9	−2·0	Harrogate.
	p Buxton	*987*	*50*	*10th*	*26*	*9th*	*43·3*	*33·1*	*38·4*	*+ 0·5*	*7*	*2·33*	*59*	*+ 30*	*0·2*	—	*3*	4	20	37·2	−2·3	41·8	−3·3	*Buxton.*
b, East	a Bawtry	65	52	10th	26	9th	47·1	34·3	41·0	+ 1·3	6	1·39	35	+ 24	1·2	—	16	1	26	38·9	−1·6	43·5	−1·9	Sheffield.
	a Nottingham	82	56	10th	28	10th	48·9	36·3	42·9	+ 2·7	6	1·15	29	+ 17	1·2	—	16	2	24	39·4	−0·5	40·9	−3·0	Nottingham.
	p Birmingham, Edgbsn.	535	53	10th	32	9th	48·1	37·6	43·1	+ 3·1	6	1·00	41	+ 21	1·4	—	18	1	17	42·6	+0·5	45·6	−1·2	Birmingham.
	a Raunds	203	56	10th	26	9th	51·3	35·1	43·5	+ 3·6	4	0·92	23	—	*1·5*	—	*19*	3	19	42·3		47·2		*Raunds.*
	p Oxford	208	56	10th	30	9th	52·0	39·4	46·0	+ 5·3	6	1·25	32	+ 19	1·6	+ 0·2	20	3	22					Oxford.
c, West	a Cheadle	646	50	6,10	30	9th	46·6	34·3	40·7	+ 1·6	6	1·70	43	+ 26				3	26					Cheadle.
	p Shrewsbury	191	55	10th	28	9th	48·4	35·7	42·3	+ 0·2	4	1·11	28	—				2	23					Shrewsbury.
	a Hereford‡	291	54	10th	28	9th	50·4	36·9	43·9	+ 3·4	5	1·50	38	+ 24	*1·2*	—	*16*	2	22	41·0		43·2		*Malvern.*§
	a Cirencester	446																						Cirencester.
	a Bath	66	58	10th	29	9th	54·1	39·4	47·0	+ 5·4	6	1·51	39	+ 21	1·6	—	20							Bath.
5. ENGLAND, S.E.	a Marlborough	424	54	9,10	26	9th	51·1	37·0	44·3	+ 4·4	5	1·87	48	+ 31	1·7	—	21	1	28	45·3	+1·8	46·8	−1·2	Worthing.
	a Margate	53	58	10th	37	9th	53·3	42·3	48·0	+ 5·7	6	1·52	39	+ 27	1·4	− 0·2	18	0	32	45·8	+2·1	46·5	+0·3	Marlborough.
	a Wisley, Surrey	150	56	10th	29	9th	52·3	38·6	45·7	+ 3·9	6	1·48	38	—	1·4	—	18	2	17	44·0	+1·6	45·3	−1·2	Margate.
	p Salisbury (Wilton)	180	63	10th	29	9th	51·1	38·3	46·5	+ 5·8	7	2·06	52	+ 32				1	26	43·7				Wisley.
	a Tunbridge Wells	354	55	9,10	30	9th	52·3	38·7	45·8	+ 4·9	6	2·20	56	+ 38	1·0	− 0·6	13	2	22	45·1	+3·3	46·5		Salisbury.
	a Dungeness	21	54	9,10	34	9th	52·3	43·0	47·8	+ 4·6	6	2·28	58	+ 45										Tunbridge Wells.
	p Hastings	178	54	5,10	38	9th	52·9	43·3	48·3	+ 5·4	7	2·43	62	+ 45	1·6	− 0·3	20	0	36	45·5		46·2		Littlestone.
	p Southampton	64	54	9,10	32	9th	52·3	41·7	47·2	+ 4·5	7	2·17	55	+ 37	1·8	—	23	1	25					Hastings.
	a Ventnor	59	54	10th	41	9th	52·3	45·0	48·8	+ 3·6	7	2·41	61	+ 43	1·5	− 0·2	19							Southampton.
LONDON.	p Kew	18	56	10th	28	9th	52·0	40·3	46·4	+ 5·0	6	1·81	46	+ 34	1·5	+ 0·1	19	1	23	43·2	+1·0	44·8	−2·2	Ventnor.
	a Westminster	*27*	*57*	*10th*	*34*	*5th*	*54·0*	*41·2*	*47·9*	*+ 6·4*	*5*	*1·57*	*40*	*+ 28*	*1·5*	*+ 1·0*	*19*	1	23					Kew.
	a Greenwich	*155*	*56*	*10th*	*31*	*9th*	*52·6*	*39·6*	*46·4*	*+ 5·2*	*6*	*1·45*	*37*	*+ 25*	*2·0*	*+ 0·8*	*25*	1	27					*Westminster.*
	a Hampstead	*450*	*55*	*10th*	*30*	*9th*	*50·7*	*36·9*	*44·1*	*—*	*6*	*1·94*	*49*	—	*1·1*	—	*14*	*5*	*14*					*Greenwich.*
	a Camden Square	*110*	*57*	*10th*	*31*	*9th*	*52·9*	*39·6*	*46·5*	*—*	*5*	*1·80*	*46*	—	*1·0*	—	*13*	1	28					*Hampstead.*
7. a, ENGLAND, N.W.	p Aspatria	250	50	10th	26	9th	44·6	33·3	39·2	− 1·2	6	1·98	50	+ 26	1·2	—	16							*Camden Square.*
	p Newton Rigg	590	47	10th	23	9th	42·7	32·9	38·0	− 0·9	6	2·07	53	+ 31	1·0	—	14	1	20	36·5		43·0		Hoylake.
	p Stonyhurst	375	51	10th	28	9th	45·0	34·9	40·2	− 0·4	6	2·37	60	+ 34	0·8	− 0·4	11	5	18	36·6	−3·7	40·8	−2·9	Aspatria.
	p Blackpool	66	53	10th	30	9th	46·7	37·1	42·1	+ 0·5	6	2·64	67	+ 48	0·6	− 0·4	8	3	23					Newton Rigg.
	a Southport	*37*	*51*	*10th*	*30*	*9th*	*47·6*	*37·0*	*42·5*	*+ 1·1*	*6*	*2·05*	*52*	*+ 34*	1·1	+ 0·1	14	1	23	40·6		45·4		Stonyhurst.
	a Liverpool (Bidston)	188	52	10th	33	9,10	47·9	37·3	42·8	+ 1·1	6	1·38	35	+ 21	*0·9*	*− 0·2*	*12*	2	23	36·5		39·7		Blackpool.
	a Hawarden Bridge	*82*	*55*	*10th*	*31*	*9th*	*49·4*	*37·9*	*43·9*	*+ 1·1*	*6*	*1·24*	*31*	*+ 18*	*1·4*	*—*	*18*							*Southport.*
	p Manchester (Whit. Pk.)	125	54	10th	30	9th	47·0	37·1	42·3	+ 1·1	6	1·40	36	+ 21	*0·2*	—	*3*	1	27	38·4	−2·3	42·1	−3·8	*Liverpool.*
															0·1	*− 0·3*	*1*							*Manchester (City).*
b NORTH WALES.																								" (Whit. Park)
	p Llandudno	71	54	10th	33	9th	49·1	38·6	44·1	0·0	6	1·39	35	+ 18	1·0	− 0·3	13							Llandudno.
	a Holyhead	15	52	9, 10	35	9th	49·6	40·4	45·2	+ 0·6	6	2·48	63	+ 40	*0·9*	—	*12*							*Holyhead.*
	p Bettws-y-Coed	*148*	*55*	*10th*	*29*	*9th*	*49·0*	*35·6*	*42·6*	*− 1·1*	*7*	*3·61*	*92*	—	*0·2*	—	*3*			41·0	−0·7	43·4	−2·4	*Bettws-y-Coed.*
															0·9	—	12							Aberdovey.

† At 3 ft.

‡ The temperature on the grass refers to Hereford.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.														0·8	—	10	•	•	•	•	•	•	Aberystwyth.
a Llangammarch Wells	550	53	9th	26	9th	48·7	37·0	43·1	+ 3·3	7	2·73	69	—	0·5	—	6	2	21	41·5	−1·3	44·1	−3·2	Llangammarch.
a Pembroke	148	53	9th	37	9th	50·7	42·4	46·7	+ 0·7	6	2·42	61	+ 38	1·1	− 0·5	14	•	•	•	•	•	•	Pembroke.
p Cardiff	202	55	10th	32	9th	50·9	39·7	45·5	+ 4·0	6	2·43	62	+ 37	*1·6*	—	*29*	1	26	43·1	+2·1	45·2	−1·4	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	57	10th	33	9th	52·7	41·3	47·2	+ 4·6	6	1·83	47	+ 27	*1·3*	—	*16*	1	29	•	•	•	•	*Clifton.*
a Shaftesbury	722	54	9th	35	9th	50·0	40·3	45·3	+ 4·3	5	1·20	30	+ 10	•	•	•	•	•	44·1	•	45·5	•	Shaftesbury.
a Arlington	613	54	9th	31	9th	50·4	40·4	45·6	+ 3·3	7	2·78	71	+ 36	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*55*	*9th*	*37*	*9th*	*52·4*	*44·3*	*48·5*	+ *2·1*	*7*	*2·40*	*61*	+ *39*	1·0	− 0·9	13	0	32	47·5	•	47·8	•	Newquay.
a Cullompton	202	55	9, 10	31	9th	52·4	41·1	47·0	+ 4·6	7	1·85	47	+ 26	1·1	− 0·3	14	1	24	45·2	•	•	•	Cullompton.
a Portland Bill	19	55	5th	44	9th	52·9	46·4	49·8	+ 4·7	7	1·65	42	—	*0·7*	—	*9*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	55	9, 10	39	9th	53·6	44·7	49·3	+ 4·2	7	2·67	68	+ 44	1·3	− 0·4	16	•	•	46·9	+1·3	47·7	•	Plymouth.
a Falmouth	167	55	9th	41	8, 9	52·4	44·1	48·4	+ 2·1	7	3·02	77	+ 45	1·3	− 0·6	16	1	30	48·0	•	48·9	•	Falmouth.
9. IRELAND, N.																							
a Malin Head	208	50	10th	33	6, 9	45·4	35·7	40·7	− 2·5	7	2·13	54	+ 35	*1·2*	—	*17*	•	•	•	•	•	•	*Malin Head.*
a, West .. *a* Blacksod Point ..	?	51	9, 10	35	5, 9	46·6	37·1	42·0	− 2·8	7	1·39	35	+ 2	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	52	10th	27	9th	47·4	32·1	40·1	− 1·6	7	1·43	36	+ 10	1·6	+ 0·3	22	3	24	41·4	•	46·0	•	Markree Castle.
a Birr Castle	175	54	5th	28	9th	48·1	35·9	42·2	+ 0·5	5	0·67	17	− 1	*2·7*	+ *1·0*	*36*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	53	10th	26	9th	46·0	33·7	40·1	− 1·4	5	0·84	21	+ 4	2·4	+ 1·0	32	2	22	40·4	−1·1	44·8	−1·0	Armagh.
a Donaghadee	101	51	10th	31	9th	46·1	36·7	41·6	− 1·2	6	1·22	31	+ 13	•	•	•	•	•	•	•	•	•	•
														•	•	•	3	23	41·9	−0·6	44·4	−1·9	Trinity Coll.
10. IRELAND, S.														3·3	+ 1·5	43	2	18	•	•	•	•	Phœnix Park.
p Dublin, City	47	53	10th	31	9th	48·6	37·4	43·2	− 0·9	5	0·97	25	+ 12	•	•	•	3	27	•	•	•	•	Dublin City.
a, East .. *a* Kilkenny	212	54	9th	28	9th	48·6	37·0	43·0	+ 0·8	6	0·56	14	− 5	•	•	•	•	•	•	•	•	•	•
a Waterford	20	53	9th	31	9th	48·9	38·4	43·9	+ 0·5	5	1·08	27	+ 3	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*53*	*9th*	*32*	*11th*	*48·1*	*36·0*	*42·3*	—	*6*	*0·82*	*21*	—	*1·9*	—	*25*	1	24	•	•	•	•	*Seskin.*
a Birr Castle	175	54	5th	28	9th	48·1	35·9	42·2	+ 0·5	5	0·67	17	− 1	2·7	+ 1·0	36	•	•	•	•	•	•	Birr Castle.
a Foynes	50	54	9th	32	9th	47·9	38·0	43·2	− 1·0	7	1·69	43	+ 18	•	•	•	•	•	•	•	•	•	•
b, West .. *a* Cahir	199	53	9th	28	9th	48·0	34·3	41·4	− 1·8	7	0·56	14	—	•	•	•	•	•	•	•	•	•	•
a Killarney	174	55	9th	38	9th	49·6	40·4	45·2	+ 0·7	6	1·95	50	+ 11	•	•	•	•	•	•	•	•	•	•
a Valencia	30	56	9th	38	5th	50·7	42·1	46·6	+ 0·1	7	1·51	38	+ 2	1·7	+ 0·1	22	•	•	•	•	•	•	Valencia.
a Roche's Point	32	54	9th	37	9th	50·4	42·0	46·4	+ 0·8	7	1·39	35	+ 6	1·4	—	18	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	9th	44	9th	53·0	46·7	50·0	+ 1·4	6	2·01	51	+ 29	1·6	− 0·3	20	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	25	57	10th	42	9th	54·4	47·1	50·9	+ 4·6	7	3·19	81	+ 58	0·9	− 1·3	11	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	55	9, 10	42	9th	53·2	46·9	50·2	+ 3·4	7	3·62	92	+ 67	0·8	− 0·8	10	0	31	49·3	+2·4	49·6	−0·9	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, December 11th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.				
			Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.			Highest Gust with Date and Time.	
	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.		
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s.	d. h. m.
1. SCOTLAND, E.															
Dyce	75	‡15**	—	—	—	—	44	93	31	0	E by S.	8	6th 9h.	20	8th 7 . 48
Aberdeen*	105	37 ‖ 52 ‖	—	—	5, 6, 8, 10, 11	38	73	53	4	0	SE. by E.	15	6th 11h.	23	8th 7 . 15
Edinburgh	39	31	—	—	7, 8	10	61	78	19	0	S. by W.	14	7th 11h.	26	7th 11 . 1
2. SCOTLAND, W.															
Eskdalemuir ..	50	22	—	—	7th	5	68	68	27	0	SW.	13	7th 22h.	20	7th 22 . 25
Paisley (Coats Obs.)	81	52	—	—	—	—	32	104	32	0	SW. by S.	10	7th 9h.	21	7th 8 . 32
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	11th	1	33	78	56	0	N by W.	11	11th 18h.	20	11th 17 . 5
South Shields ..	61	12	—	—	6, 8 to 11	15	57	82	14	0	W.	13	8th 4h.	20	11th 18 . 50
Spurn Head	40	‡	11th	3	5 to 11	37	85	19	0	24	—	19	11th 18h.	27	6th 11 . 28
3. ENGLAND, E.															
Gorleston	42	‡	—	—	5, 6, 9, 10	19	99	50	0	0	—	17	9th 19h.	23	6th 11 . 55
Shoeburyness ..	90	‡	6th	1	6, 7, 9, 10	17	108	35	7	0	SSW.	18	6th 9h.	28	6th 10 . 26
4. MIDLAND COUNTIES.															
Benson	84	‡	—	—	6, 9 to 11	12	101	38	17	0	ESE.	16	9th 16h.	23	6th 8 . 41
5. ENGLAND, S.E.															
Dover	40	‡	10th	1	5 to 7, 9 to 11	45	74	35	13	0	—	18	10th 13h.	25	6th 8 . 41
Warlingham ..	33	‡	—	—	6, 10	3	91	61	13	0	—	12	10th 11h.	25	10th 10 . 50
Brighton	53	6	—	—	—	—	14	96	58	0	—	19	6th 8h.	20	6th 21 . 10
Kew†	65	6 ‖ 22 ‖	—	—	6, 10	4	81	61	22	0	SW by W.	12	6th 9h.	26	6th 9 . 18
South Kensington ..	92	30	—	—	—	—	17	117	34	0	SSW.	8	6th 9h.	16	6th 9 . 31
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	11th	1	43	89	35	0	SW by W.	11	11th 13h.	17	11th 13 . 10
Southport	62	48	10, 11	10	6 to 11	39	89	30	0	0	W by N.	22	11th 15h.	30	11th 15 . 56
Holyhead*	40	‡	11th	7	6 to 11	60	76	24	1	0	NW by W.	20	11th 13h.	26	11th 12 . 40
8. ENGLAND, S.W.															
Pendennis Castle§ ..	65	24	6, 9, 10	22	5 to 7, 9, 10	66	51	15	7	7	SW.	22	10th 8h.	34	6th 17 . 36
Plymouth	88	2	6, 7, 9, 10	21	5 to 11	90	51	6	0	0	—	21	6th 23h.	29	6th 22 . 16
10. IRELAND, S.															
Quilty	40	‡‡	9th	3	5 to 11	74	65	22	4	0	—	19	9th 11h.	26	9th 11 . 58
Weaver Pt.	30	‡‡	—	—	5, 6, 9, 10	24	80	62	2	0	—	17	9th 11h.	27	10th 8 . 43
11. ENGLISH CHANNEL.															
Scilly*	32 ‖ 19 ‖	‡	6th	1	6, 7, 9 to 11	29	112	20	6	0	WSW.	18	6th 21h.	25	6th 20 . 47

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FORTY-NINTH WEEK—December 5th to December 11th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	46	16	39·9	29·0	34·7	− 5·1	0	− 10	51	+ 23	7	+ 2	2·49	63	+ 24	0·5	−0·3	7	991
Eastern.																			
1. SCOTLAND, EAST ...	46	8	39·9	29·4	34·8	− 3·6	0	− 9	50	+ 16	6	+ 1	2·08	53	+ 33	0·9	−0·3	13	991
2. ENGLAND, N.E.	55	25	45·9	35·4	40·8	+ 0·7	11	0	27	+ 1	6	+ 2	1·43	36	+ 22	1·3	0·0	18	992
3. ENGLAND, EAST ...	57	29	50·3	38·7	44·8	+ 5·0	33	+ 20	9	− 21	6	+ 1	1·18	30	+ 16	1·2	−0·2	16	997
4. MIDLAND COUNTIES ...	58	26	49·0	36·3	42·9	+ 3·3	30	+ 17	16	− 15	6	+ 2	1·41	36	+ 21	1·3	0·0	17	996
5. ENGLAND, S.E.	63	26	52·5	40·8	46·9	+ 5·2	39	+ 20	3	− 18	6	+ 1	2·02	52	+ 34	1·4	−0·1	18	998
Western.																			
6. SCOTLAND, WEST ...	51	21	43·0	33·4	38·4	− 3·2	3	− 12	32	+ 13	6	+ 1	2·30	58	+ 24	1·3	+0·2	18	991
7. ENGLAND, N.W.	54	23	46·6	36·5	41·7	+ 0·2	13	− 2	24	+ 5	6	+ 1	1·96	50	+ 27	0·9	−0·2	12	992
8. ENGLAND, S.W.	57	26	51·5	41·7	46·8	+ 3·7	35	+ 11	1	− 14	7	+ 2	2·26	57	+ 28	1·0	−0·6	13	996
9. IRELAND, NORTH ...	54	26	46·6	35·2	41·1	− 0·4	13	− 2	28	+ 8	6	0	1·28	32	+ 9	2·0	+0·6	27	989
10. IRELAND, SOUTH ...	56	28	49·0	38·4	43·9	+ 0·6	28	+ 3	10	− 5	6	+ 1	1·15	29	+ 3	2·3	+0·7	30	993
11. ENGLISH CHANNEL ...	57	42	53·6	46·9	50·4	+ 3·6	59	+ 22	0	− 3	7	+ 2	2·94	75	+ 48	1·1	−0·8	14	999

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 2 Weeks, November 28th to December 11th, 1915.

0. SCOTLAND, NORTH ...	46	16	40·2	30·8	35·7	*	0	− 22	88	+ 35	12	+ 1	3·40	86	+ 11	0·6	−0·2	9	994
Eastern.																			
1. SCOTLAND, EAST ...	46	8	39·5	29·6	34·8	*	0	− 20	101	+ 36	10	+ 2	2·76	70	+ 32	0·9	−0·3	13	994
2. ENGLAND, N.E.	55	22	43·8	33·4	38·8	*	11	− 14	64	+ 17	11	+ 2	2·91	74	+ 48	1·2	−0·2	16	995
3. ENGLAND, EAST ...	57	21	48·3	36·8	42·8	*	45	+ 17	39	− 16	12	+ 4	2·21	56	+ 29	1·1	−0·4	14	999
4. MIDLAND COUNTIES ...	58	18	46·6	33·8	40·4	*	36	+ 8	57	0	12	+ 4	2·85	73	+ 45	1·0	−0·3	13	997
5. ENGLAND, S.E.	63	17	50·4	39·0	44·9	*	66	+ 26	17	− 22	12	+ 4	4·03	103	+ 69	0·9	−0·6	11	999
Western.																			
6. SCOTLAND, WEST ...	51	21	42·1	33·1	37·8	*	3	− 29	66	+ 30	10	+ 1	3·15	80	+ 14	1·2	0·0	15	995
7. ENGLAND, N.W.	54	23	44·2	35·1	39·8	*	13	− 20	53	+ 19	11	+ 2	3·13	80	+ 35	0·9	−0·3	11	994
8. ENGLAND, S.W.	57	23	50·1	39·9	45·2	*	63	+ 14	12	− 17	13	+ 4	4·41	112	+ 58	0·8	−0·9	9	997
9. IRELAND, NORTH ...	54	26	45·4	35·8	40·7	*	19	− 14	50	+ 14	11	0	2·44	61	+ 16	1·6	+0·2	21	992
10. IRELAND, SOUTH ...	56	28	48·3	38·2	43·4	*	52	+ 1	21	− 7	12	+ 2	2·55	64	+ 15	1·7	0·0	21	993
11. ENGLISH CHANNEL ...	57	30	53·0	44·9	49·1	*	100	+ 23	0	− 5	14	+ 4	5·12	130	+ 80	1·1	−0·8	13	999

THE YEAR.—Aggregates, &c., for the Period of 49 Weeks, January 3rd to December 11th, 1915.

0. SCOTLAND, NORTH ...	80	12	51·5	40·0	45·6	*	2006	− 82	766	+ 64	269	−22	39·62	1005	−228	3·4	+0·2	27	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	8	52·9	38·5	45·4	*	2150	−182	982	+176	183	− 8	30·89	787	+ 53	3·9	+0·1	31	1012
2. ENGLAND, N.E.	85	20	54·4	41·4	47·6	*	2554	− 63	603	+ 17	164	−10	24·08	612	+ 18	4·2	+0·1	34	1013
3. ENGLAND, EAST ...	90	18	55·9	42·7	49·1	*	2959	− 62	522	−129	173	+ 5	26·40	673	+108	4·5	0·0	36	1013
4. MIDLAND COUNTIES ...	87	18	56·1	40·7	48·1	*	2792	−141	684	+ 2	150	−16	27·30	696	+ 67	4·1	+0·1	33	1014
5. ENGLAND, S.E.	88	15	56·6	43·2	49·7	*	3117	−169	448	− 21	143	−18	31·11	796	+155	4·5	−0·1	37	1013
Western.																			
6. SCOTLAND, WEST ...	78	14	53·9	40·8	47·1	*	2424	−125	689	+163	172	−28	33·92	863	−275	4·2	+0·3	34	1013
7. ENGLAND, N.W.	77	14	54·4	42·2	48·1	*	2626	−164	554	+ 87	157	−28	29·74	757	− 74	4·5	+0·5	36	1013
8. ENGLAND, S.W.	79	14	55·8	43·6	49·4	*	2961	−176	420	+ 53	174	−10	37·80	961	+ 52	4·5	0·0	37	1014
9. IRELAND, NORTH ...	75	18	54·1	42·2	48·0	*	2561	−103	510	+ 74	205	−13	31·55	802	−110	3·8	+0·1	30	1012
10. IRELAND, SOUTH ...	78	20	56·1	43·6	49·6	*	3036	− 50	410	+ 76	204	+10	37·74	962	+ 20	4·2	+0·1	34	1013
11. ENGLISH CHANNEL ...	81	27	57·0	47·0	51·9	*	3528	−172	139	+ 23	170	−27	33·63	849	+ 84	5·1	−0·3	41	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., December 16th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 197

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LIMITED, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 50. FIFTIETH WEEK, SUNDAY, DECEMBER 12TH, TO SATURDAY, DECEMBER 18TH, 1915.

Price 6d., Post free 7d.
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I.—Remarks.

Temperature was below the normal at almost all stations though in few cases was the deficit as great as 5°. The South of Ireland showed the largest departure from the normal of any district (−4°·1), while in England East the difference was less than half a degree. Cold periods were experienced at the beginning and end of the week but the middle was generally milder. The highest temperature of the week was recorded at most stations on the 14th or 15th. It exceeded 50° generally in the south-west of the country and at isolated stations in other parts of England and Wales. Minima of 20° were measured at Eskdalemuir and West Linton and values between 20° and 25° at many other stations; in nearly all cases these low readings occurred during the night of the 12th. The number of rain-days did not depart much from the normal but the total fall in the week varied considerably over the country. It was in excess of the average generally in the south and east of England, while the greatest deficiency occurred in Ireland South. Snow and hail showers fell in many places on the first two days of the week, and there were heavy falls of rain in the south on Tuesday, up to 48 mm. at Falmouth. Sunshine over the country as a whole was a little in excess of the average. Much fog was experienced in the Midlands on Friday. Aurora was seen at Seskin, Carrick-on-Suir, on the evening of the 16th.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Light	Heavy
	Sunshine ...	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.

WINTER. 3 weeks from Nov. 28th, 1915.	Warmth ...	0, 0, 3	0, 0, 3	0, 2, 1	1, 2, 0	1, 1, 1	1, 2, 0	0, 1, 2	0, 2, 1	1, 1, 1	0, 1, 2	1, 2, 1	1, 1, 1
	Rainfall ...	1, 2, 0	1, 2, 0	2, 1, 0	3, 0, 0	2, 1, 0	3, 0, 0	1, 2, 0	2, 1, 0	3, 0, 0	2, 1, 0	1, 1, 1	3, 0, 0
	Sunshine ...	0, 3, 0	0, 3, 0	1, 2, 0	0, 2, 1	0, 2, 1	0, 2, 1	1, 2, 0	1, 1, 1	0, 1, 2	1, 2, 0	1, 1, 1	0, 1, 2

PAST SEASONS.

WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ...	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5, 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6
AUTUMN, 1915. Aug. 29th–Nov. 27th. 13 weeks.	Warmth ...	4, 3, 6	3, 3, 7	4, 4, 5	3, 5, 5	3, 4, 6	3, 2, 8	4, 2, 7	4, 3, 6	3, 4, 6	5, 2, 6	6, 0, 7	4, 2, 7
	Rainfall ...	2, 2, 9	5, 2, 6	2, 4, 7	4, 3, 6	2, 4, 7	4, 3, 6	0, 5, 8	1, 3, 9	3, 2, 8	1, 5, 7	5, 2, 6	4, 3, 6
	Sunshine ...	7, 2, 4	5, 5, 3	4, 5, 4	2, 6, 5	2, 8, 3	2, 6, 5	6, 3, 4	7, 5, 1	6, 4, 3	5, 4, 4	4, 5, 4	3, 7, 3

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, December 18th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N. Lerwick	—	—	—	—	IRELAND, S.W. Cleggan	44	42	43·5	−1·6
Wick‡	43	43	43·0	−3·4	ENGLAND, N.E. Burnmouth, Berwick	42	40	41·2	−2·0
SCOTLAND, W. Ballantrae	47	42	44·4	−0·2	ENGLAND, E. Shipwash Lightship	—	—	—	—
ENGLAND, S.W. Scilly	—	—	—	—	ENGLAND, S.E. Eastbourne‡	49	46	46·8	−0·3
Plymouth‡	50	49	49·1	−0·4	ENGLAND, N.W. Port Erin	48	47	47·3	−1·6
IRELAND, N.W. Sheephaven	46	41	43·9	−2·4					

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s = 2·24 miles per hour.

(6884—19.) Wt. 160—610. 450. 12/15. D & S. G. 20/ 36.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				Bright Sunshine Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the Week.		Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.		
																	Ground Frosts	Lowest Reading.	Mean.	Difference from Average.	Mean.	Difference from Average.	
	Ft.	°		°		°	°	-	°		in.	mm.	mm.	hr	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																							
a, Islands .. *p* Baltasound	31																						Baltasound.
a Lerwick ..	54	43	16th	28	12, 13	39·0	32·1	35·7	- 5·0	7	0·91	23	—	0·3	- 0·5	5							Deerness.
a Stornoway	51	45	14th	32	12th	41·0	34·1	37·7	- 2·6	7	1·50	38	+ 2	0·6	- 0·3	10							Stornoway.
a Castlebay, Barra Isd.	37	*48*	*14th*	*31*	*12th*	*44·3*	*37·3*	*40·9*	*- 2·4*	*6*	*1·26*	*32*	—	*0·7*	—	*11*							*Castlebay.*
b, Mainland. *a* Wick	81	45	15, 16	28	14th	41·0	33·0	37·2	- 2·4	7	1·06	27	+ 10										
p Strathpeffer	200	44	15th	28	13th	41·0	33·3	37·3	- 0·4	5	0·86	22	+ 3	0·4	- 0·6	6							Strathpeffer.
p Glencarron	500	45	14th	27	13th	39·0	31·1	35·2	- 2·7	6	1·91	49	- 9										
p Fort Augustus	68	44	14th	25	18th	39·1	30·9	35·2	- 3·8	7	0·83	21	- 11	0·4	+ 0·1	6							Fort Augustus.
p Fort William	171	46	14th	26	18th	40·6	32·3	36·6	- 4·0	5	1·15	29	- 27										
1. SCOTLAND, E.																							
p Gordon Castle	101	43	14, 15	30	12th	40·0	33·1	36·7	- 2·4	7	0·98	25	+ 10	0·5	—	8	6	21	34·5	-4·3	38·1	-3·3	Crathes.
a Nairn	82	42	14th	29	12th	38·9	32·3	35·7	- 2·6	7	0·63	16	+ 3	*0·5*	—	*8*							*Gordon Castle.*
a Aberdeen	46	45	15, 16	30	13, 14	40·6	31·9	36·4	- 2·7	6	0·92	23	+ 6	0·5	- 0·8	8					40·6	-2·1	Nairn.
a Balmoral	930	41	14th	23	12th	37·6	27·7	32·9	- 2·4	4	0·35	9	- 10				6	20					Aberdeen.
p Crieff	432	43	14th	27	18th	39·6	31·0	35·5	- 2·7	5	0·95	24	0	0·7	—	10							Balmoral.
																							Balruddery.
a Leith	18	43	15th	31	13, 14	40·1	34·1	37·2	- 2·9	3	0·39	10	- 1										
a West Linton	769	42	14th	20	13th	37·1	28·4	32·0	- 3·4	4	0·33	8	—	*1·1*	—	*16*	6	14					*West Linton.*
p Marchmont	498	42	15th	25	13th	38·9	29·6	34·4	- 3·3	4	0·54	14	- 1	1·1	- 0·3	16	5	23					Marchmont.
a Edinburgh	*441*	*45*	*13, 14*	*30*	*13, 18*	*41·3*	*33·4*	*37·5*	—	*3*	*0·37*	*9*	—	1·0	—	14	5	26					Edinburgh.
6. *a* SCOTLAND, W.																							
a Poltalloch	132	48	15th	26	18th	42·1	32·9	37·7	- 2·8	5	0·70	18	- 14										
p Glasgow Observatory	180	47	14th	31	12, 18	41·6	35·1	38·5	- 1·6	4	0·69	18	- 5	1·0	+ 0·5	14	3	23					Glasgow.
p Rothesay	170	47	14th	29	18th	41·3	34·3	37·9	- 2·8	6	1·17	30	+ 2	*1·2*	—	*17*	4	24	37·6		42·0	-2·0	*Rothesay.*
a Kilmarnock	90	46	14th	25	12, 13	41·3	30·6	36·2	- 4·5	5	0·64	16	—	*0·7*	—	*10*							*Kilmarnock.*
a Colmonell	170	48	15th	28	18th	42·7	34·1	38·6	- 2·8	4	0·64	16	- 13				5	20					
a Dumfries	160	47	14th	29	13th	41·6	33·1	37·5	- 1·9	4	0·66	17	- 6	*2·0*	—	*29*	4	21	35·9		39·9		*Dumfries.*
Eskdalemuir	*799*	*45*	*14th*	*30*	*13th*	*38·6*	*29·3*	*34·1*	—	*4*	*0·87*	*22*	—	*1·6*	—	*23*							*Eskdalemuir.*
p Cally, Gatehouse	120	46	14th	25	13th	42·0	32·4	37·4	- 2·3	4	1·07	27	- 4										
b, I. OF MAN. *p* Douglas	277	48	14th	33	12th	43·0	36·9	40·1	- 2·5	4	1·22	31	+ 3	1·9	+ 0·5	26	2	27					Douglas.
2. ENGLAND, N.E.																							
a Alnwick Castle	219	45	14, 16	30	13, 14, 17	42·0	31·7	37·1	- 2·5	4	0·47	12	- 5	2·3	—	33	4	25	35·4	-3·2	39·9	-1·7	Cockle Park.
a Tynemouth	71	45	14th	30	13, 14	41·0	34·6	37·9	- 2·2	5	0·31	8	- 3										*Tynemouth.*
p Durham	336	45	14th	29	13, 17	40·3	31·9	36·3	- 2·0	3	0·24	6	- 5	1·8	+ 0·4	25	3	24					Durham.
a, North .. *p* Rounton	249	45	15, 16	28	13th	41·4	32·4	37·1	- 1·2	6	0·39	10	- 1				7	20	37·0				Rounton.
a West Witton	*605*	*44*	*14, 15*	*28*	*13, 14*	*39·9*	*31·6*	*35·9*	—	*6*	*0·46*	*12*	—				5	23	35·7		39·8		*West Witton.*
p Scarborough	100	50	15th	31	13th	43·3	36·4	40·0	- 0·2	5	0·54	14	+ 1	2·1	—	29					44·6†		Scarborough.
p York	56	45	15, 16	30	13th	42·0	33·4	37·9	- 1·6	6	0·28	7	- 4	2·0	+ 1·2	27			38·8	-2·5	43·4	-1·4	York.
b, South .. *a* Spurn Head	26	43	15, 18	30	13, 14	41·6	33·6	37·8	- 2·8	7	0·59	15	+ 5	*1·6*	—	*22*							*Spurn Head.*
a Lincoln	58	48	15th	27	13th	41·9	32·8	37·5	- 1·5	4	0·39	10	- 1						37·9	-2·6	43·6	-1·3	Lincoln.
a Fulbeck	180	47	15th	22	13th	40·6	30·9	35·9	- 2·4	5	0·48	12	+ 1	1·5	—	20	5	22	39·4	-2·0	44·7	-1·2	Rauceby.
														2·3	—	31							Skegness.
3. ENGLAND, E.																							
p Cromer	196	45	15, 16	32	14th	42·7	36·7	39·8	+ 1·3	4	0·37	9	—	0·7	—	9							Cromer.
p Little Massingham	280	50	18th	29	13, 14	42·3	33·6	38·1	- 0·6	2	0·50	13	- 1	1·7	+ 0·3	23	2	23					Lit. Massingham.
a, North .. *a* Yarmouth	13	46	16th	30	13, 14	42·1	33·7	38·1	- 1·8	5	0·83	21	+ 8	0·8	—	11			41·9	+0·6	46·6	+0·7	Yarmouth.
a Norwich	93	45	14, 16	30	13, 14	42·0	34·7	38·5	- 0·7	6	0·69	18	—	*1·3*	—	*17*	3	25	39·4				*Norwich.*
a Geldeston	37	47	16, 17	29	14th	43·3	34·7	39·2	- 0·5	5	0·56	14	+ 2	1·0	- 0·6	13							Geldeston.
a, East .. *p* Cambridge	41	47	16th	27	13th	43·0	32·9	38·2	- 1·0	3	0·44	11	+ 2	1·1	- 0·2	14	5	24	39·8	-1·8	45·2	-0·6	Cambridge.
a Clacton-on-Sea	54	45	18th	30	14th	41·7	37·1	39·5	- 0·8	3	0·87	22	—	*1·2*	—	16	2	28	40·4	-3·6	45·9	-2·7	Clacton.
a Rothamsted	424	45	14th	27	13th	40·4	31·0	35·9	- 3·3	4	0·76	19	+ 5	1·1	- 0·3	14	5	21	39·8				Rothamsted.
p Tottenham	51	47	15, 16	31	13th	44·3	36·6	40·6	+ 0·6	3	0·97	25	—	0·9	—	12	3	27			45·9	-1·2	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	44	14th	28	13th	39·6	32·1	36·0	- 2·4	5	0·37	9	- 6	1·5	—	21	3	24	37·4	-3·3	40·3	-2·2	Harrogate.
p Buxton	*987*	*44*	*16th*	*28*	*12, 13*	*39·3*	*31·1*	*35·4*	*- 1·5*	*4*	*0·97*	*25*	*- 5*	*0·8*	—	*11*	7	17	35·7	-3·8	41·3	-3·4	*Buxton.*
a, East .. *a* Bawtry	65	46	15th	28	13th	40·6	32·4	36·7	- 2·2	4	0·31	8	- 3	1·2	—	16	4	22	37·4	-3·1	42·9	-1·8	Sheffield.
a Nottingham	82	48	15th	26	14th	42·1	32·4	37·4	- 1·9	3	0·44	11	- 1	1·8	+ 0·5	22	6	16	38·3		42·0		Worksop.
p Birmingham, Edgbsn.	535	47	15th	29	17th	41·1	32·7	37·1	- 2·1	4	0·63	16	+ 3	1·1	—	15	3	20	36·7	-3·5	40·9	-2·4	Nottingham.
a Raunds	203	46	14, 15	28	13th	40·9	28·4	34·9	- 4·0	4	0·67	17	—	0·5	—	7	6	21	40·1	-2·2	45·4	-0·9	Birmingham.
p Oxford	208	49	15th	28	13th	43·1	33·1	38·3	- 1·7	5	1·01	26	+ 14	*1·4*	—	*18*	7	18	41·4		46·9		*Raunds.*
														1·4	0·0	18	5	18					Oxford.
b, South .. *a* Cheadle	646	46	15th	23	13th	40·3	29·3	35·0	- 3·2	4	0·65	16	- 1				5	21					Cheadle.
p Shrewsbury	191	47	14th	29	12th	43·7	33·1	38·6	- 2·7	2	0·22	6	—				7	24					Shrewsbury.
c, West .. *a* Hereford§	201	49	15th	28	12th	42·1	31·6	37·1	- 2·6	5	0·48	12	— 1	*2·4*	—	*32*	6	20	38·2		43·2		*Malvern.*§
a Cirencester	446																						Cirencester.
a Bath	66	53	15th	29	17th	44·6	31·7	38·4	- 2·6	5	0·73	19	+ 2	1·3	—	17			40·4	-3·4	45·5	-2·2	Bath.
5. ENGLAND, S.E.																							
a Marlborough	424	49	15th	22	13th	42·9	29·1	36·3	- 2·7	4	1·43	36	+ 19	1·2	—	15	3	24	41·8	-1·8	46·7	-0·9	Worthing.
a Margate	53	46	16, 18	33	14th	43·6	36·6	40·2	- 1·2	4	0·62	16	+ 4	0·7	- 0·8	9	5	12	40·2		45·6		Marlborough.
a Wisley, Surrey	150	48	16th	28	13th	42·9	33·6	38·4	- 2·1	3	0·53	13	—	1·6	—	21	1	30	42·4	-1·1	44·8	-0·9	Margate.
p Salisbury (Wilton)	180	50	15th	28	13th	43·1	31·7	37·6	- 2·1	4	1·85	47	+ 27	1·6	—	21	5	12	40·3	-2·3	45·2	-1·0	Wisley.
a Tunbridge Wells	354	46	16, 17	29	13th	42·4	34·3	38·5	- 1·2	4	0·93	24	+ 7	0·9	- 0·5	12	5	23	39·6				Salisbury.
																	4	21	41·6	-0·4	46·2		Tunbridge Wells.
a Dungeness	21	47	16th	27	14th	43·7	36·0	40·0	- 2·1	4	0·98	25	+ 12										Littlestone.
p Hastings	178	47	16th	31	13th	44·0	37·3	40·8	- 1·2	4	0·76	19	+ 2	1·6	—	20	3	26	41·5		46·6		Hastings.
p Southampton	64	49	15th	30	14th	44·1	35·1	39·8	- 2·3	3	1·54	39	+ 22	1·3	- 0·3	17	4	22					Southampton.
a Ventnor	59	48	14–16	32	13th	45·6	37·7	41·8	- 2·5	4	1·09	28	+ 11	2·2	+ 0·6	28							Ventnor.
[LONDON. *p* Kew	18	47	15, 16	29	13th	43·9	35·2	39·7	- 0·8	4	0·48	12	+ 1	1·2	0·0	16	5	23	38·3	-4·2	45·0	-1·5	Kew.
a Westminster	*27*	*49*	*16th*	*28*	*13th*	*45·4*	*35·6*	*40·7*	*+ 0·1*	*4*	*0·72*	*18*	*+ 7*	*1·4*	*+ 1·0*	*18*	3	23					*Westminster.*
a Greenwich	*155*	*48*	*16th*	*29*	*13th*	*43·0*	*34·7*	*39·0*	*- 1·2*	*4*	*0·56*	*14*	*+ 3*	*0·7*	*- 0·4*	*9*	4	20					*Greenwich.*
a Hampstead	*450*	*46*	*16th*	*24*	*13th*	*41·1*	*32·9*	*37·2*	—	*4*	*0·95*	*24*	—	*1·2*	—	*16*	6	13					*Hampstead.*
a Camden Square	*110*	*47*	*15, 16*	*28*	*13th*	*43·0*	*34·6*	*39·0*	—	*4*	*0·81*	*21*	—	*0·8*	—	*10*	3	25					*Camden Square.*
7. *a*, ENGLAND, N.W.																							
p Aspatria	250	46	14th	25	13th	40·6	30·9	35·9	- 3·6	3	0·55	14	- 9	1·5	—	20							Hoylake.
p Newton Rigg	559	44	14, 15	26	13th	40·6	30·7	35·9	- 2·1	5	0·49	12	- 10	1·7	—	24	4	18	37·6		42·9		Aspatria.
p Stonyhurst	375	45	14, 15	31	13th	42·3	35·1	38·8	- 0·8	3	0·41	11	- 14	1·3	+ 0·2	18	7	18	36·5	-4·0	40·2	-2·9	Newton Rigg.
p Blackpool	66	47	14th	31	18th	43·0	34·6	39·0	- 1·5	5	0·76	19	+ 1	1·3	+ 0·4	18	2	17					Stonyhurst.
a Southport	*37*	*47*	*14th*	*32*	*13th*	*42·3*	*34·4*	*38·5*	*- 2·0*	*5*	*0·72*	*18*	*0*	1·8	+ 0·7	22	5	25	40·2		45·1		Blackpool.
a Liverpool (Bidston)	188	49	14th	32	12th	42·9	35·3	39·3	- 1·8	4	0·31	8	- 6	*1·7*	*+ 0·7*	*23*	5	23	36·6	-3·5	40·0	-3·2	*Southport.*
a Hawarden Bridge	*22*	*51*	*14th*	*32*	*12th*	*45·1*	*35·1*	*40·3*	*- 1·6*	*5*	*0·34*	*9*	*- 3*	*1·7*	—	*23*							*Liverpool.*
p Manchester (Whit. Pk.)	125	47	15th	24	13th	42·6	33·9	38·4	- 1·8	4	0·43	11	- 5	*0·4*	—	*5*	3	12	37·2	-3·8	42·4	-2·9	*Manchester (City)*
														0·1	*- 0·3*	*1*							*„ (Whit. Park)*
8 NORTH WALES.																							
p Llandudno	71	50	14th	24	12th	43·7	36·7	40·3	- 3·0	5	0·87	22	+ 6	1·2	0·0	16							Llandudno.
a Holyhead	15	50	14th	34	12th	45·7	39·1	42·5	- 1·2	5	0·87	22	0	*1·0*	—	*14*							*Holyhead.*
p Bettws-y-Coed	*148*	*48*	*12, 14, 15*	*30*	*13th*	*44·4*	*34·7*	*39·7*	*- 3·3*	*7*	*1·29*	*33*	—	*0·4*	—	*5*			39·4	-2·6	44·0	-1·4	*Bettws-y-Coed.*
														1·5	—	20							Aberdovey.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall. No. of Rain-Days.	Rainfall in the week.	Difference from Average.	Bright Sunshine. Hours per Day. Daily Mean	Difference from Average.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Difference from average.	Earth 4 ft. Mean.	Difference from average.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.														1·4	—	18	•	•	•	•	•	•	Aberystwyth.
a Llangammarch Wells	550	49	15th	26	12, 13	42·6	32·3	37·7	− 1·3	5	0·83	21	—	0·6	—	8	5	16	39·5	−3·4	44·9	−2·0	Llangammarch.
a Pembroke	149	50	14th	34	12, 13	46·3	39·3	42·9	− 2·2	5	0·91	23	0	1·5	0·0	19	•	•	•	•	•	•	Pembroke.
p Cardiff	202	50	15th	30	17th	43·3	33·7	38·7	− 1·6	5	1·71	43	+ 17	*1·5*	—	*19*	6	21	40·2	−2·2	45·2	−1·0	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	52	15th	30	12th	43·9	34·0	39·2	− 2·5	5	0·81	21	+ 1	*1·4*	—	*18*	4	26	•	•	•	•	*Clifton.*
a Shaftesbury	722	46	14th	31	14th	41·6	35·0	38·4	− 1·5	3	1·17	30	+ 10	•	•	•	•	•	40·3	•	45·4	•	Shaftesbury.
a Arlington	613	49	15, 17	29	12th	44·6	33·3	39·2	− 2·3	5	2·18	55	+ 20	•	•	•	•	•	•	•	•	•	Arlington.
a Newquay	*190*	*51*	*14, 15*	*34*	*17, 18*	*47·6*	*35·6*	*41·8*	− *4·0*	*5*	*1·28*	*33*	+ *11*	2·5	+ 0·8	32	2	28	44·9	•	48·0	•	Newquay.
a Cullompton	202	52	15th	28	17th	44·4	32·1	38·5	− 3·0	5	1·27	32	+ 10	1·8	+ 0·5	23	6	20	42·3	•	•	•	Cullompton.
a Portland Bill	19	52	16th	34	13, 18	46·9	39·3	43·3	− 0·8	3	1·38	35	—	*1·4*	—	*18*	•	•	•	•	•	•	*Weymouth.*
p Plymouth	116	51	15th	32	12, 13, 18	46·1	36·3	41·4	− 2·9	5	1·74	44	+ 19	2·4	+ 0·8	30	•	•	43·2	−2·2	47·6	•	Plymouth.
a Falmouth	167	51	14, 15	31	13th	47·1	36·6	42·1	− 3·4	6	2·31	59	+ 26	2·8	+ 1·0	35	4	26	44·2	•	48·7	•	Falmouth.
9. IRELAND, N.																							
a, West .. *a* Malin Head	208	47	14th	32	13th	43·9	35·7	40·0	− 2·6	6	0·94	24	+ 5	*0·7*	—	*10*	•	•	•	•	•	•	*Malin Head.*
a Blacksod Point ..	?	50	13th	32	12th	44·9	35·3	40·3	− 3·8	5	0·63	16	− 17	•	•	•	•	•	•	•	•	•	•
p Markree Castle ..	122	49	14, 15	23	18th	43·1	31·0	37·3	− 3·6	4	0·80	20	− 6	1·2	0·0	16	4	21	40·8	•	45·5	•	Markree Castle.
a Birr Castle	175	48	13, 14	26	14th	42·6	30·6	36·8	− 4·3	4	0·31	8	− 10	*1·6*	+ *0·1*	*22*	•	•	•	•	•	•	*Birr Castle.*
b, East .. *p* Armagh	196	48	14th	28	13th	40·0	32·4	36·4	− 4·2	6	0·80	20	+ 3	1·1	− 0·2	15	4	24	39·7	−1·9	44·1	−1·3	Armagh.
a Donaghadee	101	48	14th	32	12th	43·3	35·4	39·5	− 2·6	5	0·83	21	+ 3	•	•	•	•	•	•	•	•	•	•
														•	•	•	5	23	40·2	−2·4	44·2	−1·6	Trinity Coll.
10. IRELAND, S.														1·3	− 0·4	18	5	22	•	•	•	•	Phœnix Park.
p Dublin, City	47	49	14th	30	13th	42·6	34·6	38·8	− 4·3	3	0·33	8	− 4	•	•	•	4	26	•	•	•	•	Dublin City.
a, East .. *a* Kilkenny	212	49	14th	25	13th	43·4	29·1	36·5	− 4·7	5	0·25	6	− 13	•	•	•	•	•	•	•	•	•	•
a Waterford	20	50	14th	28	13th	44·7	31·7	38·5	− 4·1	4	0·47	12	− 12	•	•	•	•	•	•	•	•	•	•
a Seskin, Carrick-on-Suir	*541*	*48*	*14th*	*29*	*12, 13*	*41·6*	*33·1*	*37·5*	—	*4*	*0·36*	*9*	—	*1·5*	—	*20*	4	24	•	•	•	•	*Seskin.*
a Birr Castle	175	48	13, 14	26	14th	42·6	30·6	36·8	− 4·3	4	0·31	8	− 10	1·6	+ 0·1	22	•	•	•	•	•	•	Birr Castle.
a Foynes	50	51	13th	32	13th	43·4	35·0	39·4	− 4·0	4	0·40	10	− 15	•	•	•	•	•	•	•	•	•	•
a Cahir	199	48	13, 14	24	13th	43·4	29·6	36·8	− 6·2	4	0·49	12	—	•	•	•	•	•	•	•	•	•	•
b, West .. *a* Killarney ..	174	51	13, 14	28	13th	45·6	33·3	39·7	− 4·2	5	0·50	13	− 27	•	•	•	•	•	•	•	•	•	•
a Valencia	30	51	13, 14	33	13th	46·7	37·3	42·2	− 3·8	5	1·46	37	0	2·3	+ 0·9	30	•	•	•	•	•	•	Valencia.
a Roche's Point	32	50	13, 14	31	14th	46·0	35·7	41·1	− 4·0	4	0·79	20	− 10	1·6	—	21	•	•	•	•	•	•	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	17th	34	13th	49·3	39·7	44·7	− 3·4	6	1·54	39	+ 16	3·5	+ 1·8	44	•	•	•	•	•	•	Scilly.
a Jersey, St. Aubins ..	26	49	15, 16	33	13th	46·9	39·9	43·5	− 1·7	6	1·10	28	+ 5	1·2	− 0·9	15	•	•	•	•	•	•	St. Heliers.
a Guernsey (Villa Carey)	180	52	17th	34	12, 13	47·3	39·1	43·4	− 2·5	7	1·45	37	+ 12	1·6	+ 0·1	20	3	29	45·2	−1·4	49·3	−0·5	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, December 18th, 1915.

DISTRICT AND STATION.‡	Height. Above Ground.	Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.		m/s. d. h. m.
1. SCOTLAND, E.													
Dyce	75	‡15**	—	—	—	—	7	91	70	0	WNW.	8	12th 9h.	22 12th 8 . 26
Aberdeen*	105	37 / 52 ‖	—	—	12th	3	49	97	19	0	NW. by W.	13	12th 9h.	21 12th 16 . 12
Edinburgh	39	31	—	—	14th	1	36	111	20	0	S. by E.	12	14th 10h.	18 14th 9 . 45
6. SCOTLAND, W.													
Eskdalemuir ..	50	22	—	—	12, 18	11	63	51	43	0	NW. by N.	13	12th 13h.	20 12th 12 . 37
Paisley (Coats Obs.)	81	52	—	—	—	—	14	90	64	0	NW. by N.	6	12th 18h.	16 14th 13 . 24
2. ENGLAND, N.E.													
Alnwick Castle ..	70	17	—	—	—	—	17	67	71	13	NW. by N.	9	12th 12h.	20 12th 12 . 25
South Shields ..	61	12	—	—	12th	1	58	69	40	0	NNW.	11	12th 13h.	18 12th 1 . 55
Spurn Head	40	‡	—	—	12 to 15	41	73	33	1	20	—	15	12th 19h.	23 12th 17 . 17
3. ENGLAND, E.													
Gorleston	42	‡	—	—	14, 15	17	95	33	0	23	—	14	15th 15h.	18 15th 16 . 20
Shoeburyness ..	90	‡	—	—	14, 15	20	83	61	4	0	S. by W.	14	15th 16h.	17 15th 13 . 14
4. MIDLAND COUNTIES.													
Benson	84	‡	—	—	15th	2	60	78	28	0	SSE.	11	15th 13h.	16 15th 11 . 23
5. ENGLAND, S.E.													
Dover	40	‡	—	—	12 to 16, 18	55	80	31	2	0	—	16	14th 17h.	22 14th 21 . 36
Warlingham ..	33	‡	—	—	—	—	37	124	7	0	—	19	14th 20h.	20 14th 21 . 50
Brighton	53	6	—	—	—	—	20	50	85	13	—	8	15th 12h.	15 14th 19 . 25
Kew†	65	6 / 22 ‖	—	—	—	—	41	106	21	0	SSW.	8	15th 14h.	16 15th 14 . 13
South Kensington ..	92	30	—	—	—	—	2	107	59	0	S. by W.	6	15th 15h.	12 15th 16 . 35
7. ENGLAND, N.W.													
Carnforth	56	23	—	—	—	—	7	87	74	0	SSE.	8	14th 10h.	14 14th 9 . 18
Southport	62	48	—	—	13, 13	12	91	65	0	0	NW. by N.	15	12th 19h.	19 12th 19 . 11
Holyhead*	40	‡	—	—	12 to 14	31	74	57	6	0	NE.	15	12th 7h.	21 12th 16 . 40
8. ENGLAND, S.W.													
Pendennis Castle§ ..	65	24	14, 15	16	12, 14, 15, 18	21	66	54	11	0	S.	21	15th 4h.	28 15th 4 . 31
Plymouth	88	2	14, 15	27	12, 14 to 16, 18	37	48	36	20	0	—	26	15th 7h.	32 15th 6 . 55
10. IRELAND, S.													
Quilty	40	‡	12th	1	12, 14	11	86	61	9	0	—	20	12th 5h.	28 12th 5 . 15
Weaver Pt.	30	‡	—	—	12, 14	9	63	75	17	4	—	12	14th 3h.	19 14th 2 . 48
11. ENGLISH CHANNEL.													
Scilly*	32 / 19	‡	—	—	12, 14, 15	31	73	38	26	0	WNW.	14	15th 12h.	22 12th 1 . 0

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ½ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.

‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FIFTIETH WEEK—December 12th to December 18th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)		Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Mean for the Week at M.S.L.
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	46	25	40·1	32·4	36·4	− 2·6	0	− 9	39	+ 10	6	0	1·17	30	− 6	0·4	−0·2	7	1011
Eastern.																			
1. SCOTLAND, EAST ...	45	20	39·1	30·8	35·1	− 2·8	0	− 8	48	+ 10	5	0	0·64	16	− 1	0·7	−0·3	11	1010
2. ENGLAND, N.E.	50	22	41·6	33·1	37·5	− 1·7	0	− 9	32	+ 2	5	+ 2	0·41	10	− 5	2·0	+0·8	27	1010
3. ENGLAND, EAST ...	50	27	42·4	34·6	38·7	− 0·3	1	− 9	28	− 6	4	0	0·67	17	+ 5	1·1	−0·4	14	1012
4. MIDLAND COUNTIES ...	53	23	41·8	31·7	37·0	− 1·8	0	− 11	35	− 1	4	0	0·55	14	0	1·2	+0·1	16	1012
5. ENGLAND, S.E.	50	22	43·6	34·7	39·3	− 1·8	4	− 13	28	+ 5	4	0	1·02	26	+ 11	1·3	−0·1	17	1013
Western.																			
6. SCOTLAND, WEST ...	48	25	42·0	33·7	38·0	− 2·8	0	− 13	28	+ 6	5	0	0·85	22	− 10	1·5	+0·5	20	1011
7. ENGLAND, N.W.	50	24	42·7	34·5	38·8	− 1·8	2	− 11	28	+ 4	4	− 1	0·59	15	− 5	1·4	+0·4	20	1011
8. ENGLAND, S.W.	52	26	44·7	35·2	40·1	− 2·5	8	− 13	27	+ 11	5	0	1·43	36	+ 9	1·9	+0·4	24	1012
9. IRELAND, NORTH ...	50	23	43·0	33·4	38·4	− 2·7	3	− 11	32	+ 10	5	0	0·72	18	− 4	1·2	−0·1	16	1011
10. IRELAND, SOUTH ...	51	24	44·3	33·0	38·9	− 4·1	6	− 17	35	+ 19	4	− 1	0·56	14	− 12	1·7	+0·1	22	1013
11. ENGLISH CHANNEL ...	52	33	47·8	39·6	43·9	− 2·3	23	− 11	7	+ 3	6	+ 1	1·36	35	+ 11	2·1	+0·3	26	1013

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 3 Weeks, November 28th to December 18th, 1915.

0. SCOTLAND, NORTH ...	46	16	40·2	31·3	35·9	*	0	− 31	127	+ 45	18	+ 1	4·57	116	+ 5	0·6	−0·1	9	1000
Eastern.																			
1. SCOTLAND, EAST ...	46	8	39·4	30·0	34·9	*	0	− 28	149	+ 46	15	+ 2	3·40	86	+ 31	0·8	−0·3	12	999
2. ENGLAND, N.E.	55	22	43·0	33·3	38·3	*	11	− 23	96	+ 19	16	+ 4	3·32	84	+ 43	1·5	+0·1	20	1000
3. ENGLAND, EAST ...	57	21	46·3	36·1	41·5	*	46	+ 8	67	− 22	16	+ 4	2·88	73	+ 34	1·1	−0·4	14	1003
4. MIDLAND COUNTIES ...	58	18	45·0	33·1	39·3	*	36	− 3	92	− 1	16	+ 4	3·40	87	+ 45	1·1	−0·2	14	1002
5. ENGLAND, S.E.	63	17	48·1	37·5	43·0	*	70	+ 13	45	− 17	16	+ 4	5·05	129	+ 80	1·1	−0·4	13	1004
Western.																			
6. SCOTLAND, WEST ...	51	21	42·1	33·3	37·9	*	3	− 42	94	+ 36	15	+ 1	4·00	102	+ 4	1·3	+0·2	17	1000
7. ENGLAND, N.W.	54	23	43·7	34·9	39·5	*	15	− 31	81	+ 23	15	+ 1	3·72	95	+ 30	1·1	0·0	14	1000
8. ENGLAND, S.W.	57	23	48·3	38·3	43·5	*	71	+ 1	39	− 6	18	+ 4	5·84	148	+ 67	1·1	−0·5	14	1002
9. IRELAND, NORTH ...	54	23	44·6	35·0	39·9	*	22	− 25	82	+ 24	16	0	3·16	79	+ 12	1·5	+0·1	19	998
10. IRELAND, SOUTH ...	56	24	46·9	36·4	41·9	*	58	− 16	56	+ 12	16	+ 1	3·11	78	+ 3	1·7	+0·1	22	1000
11. ENGLISH CHANNEL ...	57	30	51·2	43·1	47·4	*	123	+ 12	7	− 2	20	+ 5	6·48	165	+ 91	1·4	−0·5	18	1003

THE YEAR.—Aggregates, &c., for the Period of 50 Weeks, January 3rd to December 18th, 1915.

0. SCOTLAND, NORTH ...	80	12	51·3	39·8	45·4	*	2006	− 91	805	+ 74	215	−22	40·79	1035	−234	3·3	+0·2	27	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	8	52·6	38·4	45·2	*	2150	−190	1030	+186	188	− 8	31·53	803	+ 52	3·8	0·0	31	1012
2. ENGLAND, N.E.	85	20	54·1	41·2	47·4	*	2554	− 72	635	+ 19	169	− 8	24·49	622	+ 13	4·2	+0·1	34	1013
3. ENGLAND, EAST ...	90	18	55·6	42·5	48·8	*	2960	− 71	550	−135	177	+ 5	27·07	690	+113	4·4	−0·1	36	1013
4. MIDLAND COUNTIES ...	87	18	55·8	40·5	47·9	*	2792	−152	719	+ 1	154	−16	27·85	710	+ 67	4·0	0·0	33	1014
5. ENGLAND, S.E.	88	15	56·4	43·1	49·5	*	3121	−182	476	− 16	147	−18	32·13	822	+164	4·5	0·0	36	1013
Western.																			
6. SCOTLAND, WEST ...	78	14	53·6	40·7	46·9	*	2424	−138	717	+169	177	−28	34·77	885	−285	4·3	+0·4	34	1013
7. ENGLAND, N.W.	77	14	54·2	42·0	47·9	*	2628	−175	582	+ 91	161	−29	30·33	772	− 79	4·4	+0·5	36	1013
8. ENGLAND, S.W.	79	14	55·5	43·4	49·2	*	2969	−189	447	+ 64	179	−10	39·23	997	+ 61	4·5	+0·1	36	1014
9. IRELAND, NORTH ...	75	18	53·9	42·0	47·8	*	2564	−114	542	+ 84	210	−13	32·27	820	−114	3·7	+0·1	30	1012
10. IRELAND, SOUTH ...	78	20	55·8	43·4	49·4	*	3042	− 67	445	+ 95	208	+ 9	38·30	976	+ 8	4·1	0·0	34	1013
11. ENGLISH CHANNEL ...	81	27	56·8	46·9	51·7	*	3551	−183	146	+ 26	176	−26	34·99	884	+ 93	5·0	−0·4	41	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., December 23rd, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 51. FIFTY-FIRST WEEK, SUNDAY, DECEMBER 19TH, TO SATURDAY, DECEMBER 25TH, 1915.

Price 6d., Post free 7d.
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I.—Remarks.

The general character of the period was mild and wet nearly everywhere. At the commencement frost was experienced in most regions, rather sharp at a number of northern and western stations, the thermometer in the shade on the 19th sinking to 22° at Kilmarnock, Colmonell, Burnley, Llangammarch Wells, Kilkenny and Foynes, 21° at Balmoral, Cally and Cahir, 19° at Markree Castle, 17° at Eskdalemuir, and 14° at West Linton. Many of the afternoon maxima on the same day were also low, not exceeding 34° at Dumfries, West Linton and Marlborough, and 32° at Cally and Newton Rigg. Much higher values ruled during the rest of the week, many night readings being above 40°, in a number of instances as high as 45° to 49°, while day maxima of 50° and upwards were common over the southern half of the kingdom, 56° at Tenby on the 21st, and at Jersey on the 24th. For the whole week the mean results about equalled the average in Scotland North and East, but showed an excess of 3° for England East and the Midlands. Most localities had rain on six or seven days, and as a rule the falls were considerable, but very large records on individual days were not numerous, the largest amounts being in the extreme south of England on the 23rd, 26 mm. at Brighton and Eastbourne, 30 mm. at Worthing, and 32 mm. at Arlington. Snow fell at Fort Augustus on the 19th, and hail at several southern stations on the 23rd, accompanied by thunder at Llangammarch Wells. The total rainfall of the week over England was more that double, and in the south-east more than treble the average. Most districts had very little sunshine. A few stations reported fog occasionally.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	**1.** Scotland, E.	**2.** England, N.E.	**3.** England, E.	**4.** Midland Counties.	**5.** England, S.E.	**6.** Scotland, W.	**7.** England, N.W.	**8.** England, S.W.	**9.** Ireland, N.	**10.** Ireland, S.	**11.** English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual
	Rainfall ...	Moderate	Very heavy	Heavy	Very heavy	Heavy	Very heavy	Heavy	Very heavy	Heavy	Heavy	Moderate	Heavy
	Sunshine ...	Scanty	Scanty	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate	Moderate	Scanty	Scanty	Scanty

THE SEASON.

WINTER. 4 weeks from Nov. 28th, 1915.	Warmth ...	0, 1, 3	0, 1, 3	0, 3, 1	1, 3, 0	1, 2, 1	1, 3, 0	0, 2, 2	0, 3, 1	1, 2, 1	0, 2, 2	0, 3, 1	2, 1, 1
	Rainfall ...	1, 3, 0	2, 2, 0	3, 1, 0	4, 0, 0	3, 1, 0	4, 0, 0	2, 2, 0	3, 1, 0	4, 0, 0	3, 1, 0	1, 2, 1	4, 0, 0
	Sunshine ...	0, 3, 1	0, 3, 1	1, 3, 0	0, 2, 2	0, 2, 2	0, 3, 1	1, 2, 1	1, 2, 1	0, 2, 2	1, 2, 1	1, 1, 2	0, 1, 3

PAST SEASONS.

WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6
AUTUMN, 1915. Aug. 29th–Nov. 27th. 13 weeks.	Warmth ...	4, 3, 6	3, 3, 7	4, 4, 5	3, 5, 5	3, 4, 6	3, 2, 8	4, 2 7	4, 3, 6	3, 4, 6	5, 2, 6	6, 0, 7	4, 2, 7
	Rainfall ...	2, 2, 9	5, 2, 6	2, 4, 7	4, 3, 6	2, 4, 7	4, 3, 6	0, 5. 8	1, 3, 9	3, 2, 8	1, 5, 7	5, 2, 6	4, 3, 6
	Sunshine ...	7, 2, 4	5, 5, 3	4, 5, 4	2, 6. 5	2, 8, 3	2, 6, 5	6, 3, 4	7, 5, 1	6, 4, 3	5, 4, 4	4, 5, 4	3, 7, 3

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, December 25th. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	48	40	44·0	−1·2
Wick*	43	43	43·0	−3·1	ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	43	39	41·4	−1·5
Ballantrae	47	40	44·5	−0·2	ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	—	—	—	—	ENGLAND, S.E.				
Plymouth‡	49	49	49·1	+0·2	Eastbourne‡	47	45	45·9	−0·4
IRELAND, N.W.					ENGLAND, N.W.				
Sheephaven	47	42	45·2	−0·6	Port Erin	48	45	47·0	−1·5

* Four days only. ‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches. 1 m/s. = 2·24 miles per hour.

 III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880, GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air (In Degrees Fahrenheit): Highest.	Date.	Lowest.	Date.	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	Rainfall: No. of Rain-Days.	Rainfall in the Week (in.)	Rainfall in the Week (mm.)	Difference from Average.	Bright Sunshine (Hours per Day): Daily Mean.	Difference from Average	Percentage of possible duration.	Ground Temperature: Grass Min.: Ground Frosts	Lowest Reading.	Earth 1 ft.: Mean	Difference from Average.	Earth 4 ft.: Mean.	Difference from Average.	Stations reporting Sunshine and Temperature on the Grass and in the Ground.
0. SCOTLAND, N.	Ft.	°		°		°	°	°	°		in.	mm.	mm.	hr	hr.	%	°	°	°	°	°	°	
a, Islands .. *p Baltasound*	*31*													•	•	•	•	•	•	•	•	•	*Baltasound.*
a Lerwick	54	43	25th	27	24, 25	37·1	31·0	34·2	− 6·0	7	1·24	31	—	0·0	− 0·8	0	•	•	•	•	•	•	Deerness.
a Stornoway	51	47	20, 22	34	19th	44·4	38·3	41·5	+ 1·7	5	1·26	32	− 5	0·3	− 0·5	5	•	•	•	•	•	•	Stornoway.
a Castlebay, Barra Isd. ..	*37*	*49*	*20-22*	*35*	*19th*	*47·9*	*41·7*	*44·9*	*+ 2·2*	*6*	*2·05*	*52*	—	*0·6*	—	*9*	•	•	•	•	•	•	*Castlebay.*
b, Mainland. a Wick	81	44	21, 22, 25	30	19th	42·3	36·0	39·3	+ 0·3	7	1·42	36	+ 19	•	•	•	•	•	•	•	•	•	• •
p Strathpeffer	200	46	20th	33	19th	42·3	35·9	39·2	+ 2·1	6	0·78	20	0	0·2	− 0·8	3	•	•	•	•	•	•	Strathpeffer.
p Glencarron	500	46	21st	30	19th	40·7	34·9	37·9	+ 0·9	6	1·32	34	− 26	•	•	•	•	•	•	•	•	•	• •
p Fort Augustus	68	45	23rd	26	19th	41·4	31·9	38·3	− 0·1	4	0·74	19	− 14	0·3	0·0	5	•	•	•	•	•	•	Fort Augustus.
p Fort William	171	47	23rd	27	19th	42·9	35·9	39·5	− 0·5	7	1·18	30	− 27	•	•	•	•	•	•	•	•	•	• •
1. SCOTLAND, E.														0·2	—	3	3	23	34·9	−3·5	37·4	−3·2	Crathes.
p Gordon Castle	101													•	•	•	•	•	•	•	•	•	*Gordon Castle.*
a Nairn	82	45	23rd	30	19th	42·0	24·6	38·5	+ 1·0	6	0·70	18	+ 5	0·1	—	2	•	•	•	•	•	•	Nairn.
a Aberdeen	46	45	22, 23, 25	31	19th	42·7	35·9	39·4	+ 1·3	7	1·85	47	+ 30	0·4	− 0·8	6	•	•	•	•	40·0	−2·3	Aberdeen.
a Balmoral	930	44	21st	21	19th	41·3	32·1	36·9	+ 2·1	6	1·36	35	+ 17	•	•	•	3	19	•	•	•	•	Balmoral.
p Crieff	432	47	21st	27	19th	40·4	33·3	37·0	− 0·6	7	1·52	39	+ 15	0·0	—	0	•	•	•	•	•	•	Balruddery.
a Leith	18	46	22, 25	29	19th	43·1	35·3	39·4	− 0·1	7	0·95	24	+ 13	•	•	•	•	•	•	•	•	•	• •
a West Linton	769	45	20, 22, 25	14	19th	42·3	30·4	36·6	+ 1·6	7	1·03	26	—	*0·2*	—	*3*	3	10	•	•	•	•	*West Linton.*
p Marchmont	498	46	21st	27	19th	41·6	33·4	37·7	+ 0·8	6	1·30	33	+ 19	0·2	− 1·0	3	3	23	•	•	•	•	Marchmont.
a Edinburgh	*441*	*47*	*23, 25*	*28*	*19th*	*42·9*	*36·0*	*39·6*	—	*6*	*0·72*	*18*	—	0·3	—	4	1	24	•	•	•	•	Edinburgh.
6. a SCOTLAND, W.																							
a Poltalloch	132	48	20th	25	19th	44·3	35·3	40·0	+ 0·2	7	2·44	62	+ 30	•	•	•	•	•	•	•	•	•	• •
p Glasgow Observatory	180	47	21, 23, 25	28	19th	42·6	36·7	39·8	+ 0·5	7	1·11	28	+ 5	0·0	− 0·5	0	3	20	•	•	•	•	Glasgow.
p Rothesay	170	47	21st	29	19th	43·0	36·7	40·0	− 0·2	7	1·62	41	+ 13	*0·3*	—	*4*	3	22	38·0	•	42·0	−1·9	*Rothesay.*
a Kilmarnock	90	48	22nd	22	19th	45·0	33·4	39·4	− 0·8	7	1·10	28	—	*0·2*	—	*3*	•	•	•	•	•	•	*Kilmarnock.*
a Colmonell	170	49	22nd	22	19th	45·0	33·6	39·5	− 1·8	6	1·88	48	+ 19	•	•	•	2	16	•	•	•	•	• •
a Dumfries	160	48	21st	25	19th	42·6	34·0	38·5	− 0·2	7	1·64	42	+ 20	*0·1*	—	*1*	3	20	36·2	•	39·5	•	*Dumfries.*
Eskdalemuir	*799*	*45*	*21, 22*	*17*	*19th*	*42·7*	*28·4*	*35·8*	—	*7*	*1·70*	*43*	—	*0·0*	—	*0*	•	•	•	•	•	•	*Eskdalemuir.*
p Cally, Gatehouse ..	120	48	22nd	21	19th	43·0	33·7	38·5	− 0·4	7	2·21	56	+ 25	•	•	•	•	•	•	•	•	•	• •
b. I. OF MAN. p Douglas	277	50	22nd	29	19th	46·0	39·9	43·1	+ 1·2	7	1·84	47	+ 20	0·6	− 0·7	8	1	24	•	•	•	•	Douglas.
2. ENGLAND, N.E.																							
a, North .. a Alnwick Castle ..	210	49	25th	28	19th	41·7	34·1	39·6	+ 0·9	5	1·42	36	+ 20	0·6	—	9	3	25	36·9	−1·3	39·7	−1·7	Cockle Park.
a Tynemouth	71	48	21, 22, 25	30	19th	43·1	36·1	39·7	+ 0·4	6	1·34	34	+ 23	•	•	•	•	•	•	•	•	•	*Tynemouth.*
p Durham	336	48	21st	29	19th	42·9	35·1	39·2	+ 1·4	6	0·80	20	+ 10	0·5	− 0·8	7	2	23	•	•	•	•	Durham.
p Rounton	249	48	21st	28	19th	43·4	35·1	39·4	+ 1·8	7	0·84	21	+ 10	•	•	•	3	23	38·0	•	•	•	Rounton.
a West Witton	*605*	*47*	*21, 22*	*26*	*19, 20*	*44·3*	*32·9*	*38·8*	—	*5*	*1·41*	*26*	—	•	•	•	3	20	37·0	•	39·7	•	*West Witton.*
p Scarborough	100	48	22nd	33	20th	46·3	37·1	41·9	+ 2·3	4	0·78	20	+ 7	1·2	—	17	•	•	•	•	43·3†	•	Scarborough.
p York	56	49	21st	32	19th	44·1	36·7	40·6	+ 2·4	6	0·96	24	+ 13	0·3	− 0·5	4	•	•	39·4	−1·7	43·0	−1·3	York.
b, South .. a Spurn Head	26	45	22-25	35	19-21	43·4	36·1	39·9	+ 0·1	5	1·06	27	+ 17	*1·4*	—	*20*	•	•	•	•	•	•	*Spurn Head.*
a Lincoln	58	52	23rd	32	19, 20	44·4	36·3	40·5	+ 2·6	6	0·94	21	+ 13	•	•	•	•	•	38·6	2·0	43·1	−1·4	Lincoln.
a Fulbeck	180	48	22nd	30	19th	44·4	34·9	39·8	+ 2·1	6	0·94	24	+ 13	0·6	—	8	2	27	39·6	−1·3	44·1	−1·2	Rauceby.
														1·0	—	14	•	•	•	•	•	•	Skegness.
3. ENGLAND, E.																							
a, North .. p Cromer	196	47	23-25	33	21st	45·0	36·7	41·0	+ 3·4	6	0·93	24	—	0·8	—	11	•	•	•	•	•	•	Cromer.
p Little Massingham ..	280	48	23rd	31	20th	44·7	34·7	39·9	+ 2·2	6	1·39	35	+ 21	0·9	− 0·4	12	5	23	•	•	•	•	Lit. Massingham.
a Yarmouth	13	48	24th	33	21st	44·3	36·1	40·4	+ 1·7	6	0·94	24	+ 12	0·9	—	12	•	•	42·4	+1·6	46·3	+1·0	Yarmouth.
a Norwich	93	48	24th	32	19th	45·4	35·1	40·5	+ 2·0	7	0·95	24	—	*1·0*	—	*14*	3	26	39·0	•	•	•	*Norwich.*
a Geldeston	37	50	24th	33	20th	46·4	36·0	41·4	+ 2·6	6	9·76	19	+ 7	0·8	− 0·7	11	•	•	•	•	•	•	Geldeston.
b, South .. p Cambridge	41	49	23, 24	32	19, 20	44·4	36·6	40·7	+ 2·6	5	0·75	19	+ 10	0·7	− 0·6	9	2	26	40·6	−0·7	44·6	−0·8	Cambridge.
a Clacton-on-Sea ..	54	47	21, 24	33	20, 21	44·6	37·0	41·0	+ 1·9	6	1·26	32	—	1·3	—	17	1	30	40·9	−2·6	45·0	−2·3	Clacton.
a Rothamsted	424	49	22, 23	28	19th	45·6	34·4	40·2	+ 2·0	6	1·33	34	+ 21	0·8	− 0·5	11	3	20	40·1	•	•	•	Rothamsted.
p Tottenham	51	52	24th	31	19th	47·9	40·7	44·4	+ 5·1	6	1·04	26	—	0·6	—	8	2	27	•	•	45·1	−1·6	Tottenham.
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	47	21st	29	19th	43·7	33·9	39·0	+ 1·3	6	1·25	32	+ 17	0·5	—	7	2	26	38·4	−2·4	40·3	−1·9	Harrogate.
p Buxton	*987*													•	•	•	•	•	•	•	•	•	*Buxton.*
														0·5	—	7	2	28	38·6	−1·8	42·6	−1·7	Sheffield.
b, East .. a Bawtry	65	48	22, 23	30	19th	45·6	35·4	40·7	+ 2·5	7	0·93	21	+ 13	0·5	− 0·5	7	4	20	38·9	•	41·7	•	Worksop.
a Nottingham	82	49	21, 22	32	20th	45·7	36·0	41·3	+ 2·7	6	0·87	22	+ 10	0·3	—	4	3	27	38·4	−1·7	40·6	−2·4	Nottingham.
p Birmingham, Edgbsn.	535	50	22nd	26	19th	44·4	36·4	40·5	+ 2·3	6	0·77	20	+ 7	0·0	—	0	2	15	40·8	−1·5	45·0	−1·3	Birmingham.
a Raunds	203	49	22nd	29	19th	45·7	34·4	40·3	+ 2·1	6	1·14	29	—	*0·7*	—	*9*	5	22	41·1	•	46·0	•	*Raunds.*
p Oxford	208	51	24th	29	19, 20	46·4	37·7	42·2	+ 2·9	6	0·86	22	+ 11	0·8	− 0·5	11	2	21	•	•	•	•	Oxford.
c, West .. a Cheadle	646	49	22nd	29	19th	44·1	34·3	39·4	+ 2·0	6	0·87	22	+ 5	•	•	•	2	25	•	•	•	•	Cheadle.
p Shrewsbury	191	54	22nd	23	19th	47·9	35·9	42·1	+ 1·7	6	0·85	22	—	•	•	•	2	21	•	•	•	•	Shrewsbury.
a Hereford§	291	54	22nd	26	19, 20	46·3	35·7	41·2	+ 2·3	6	1·09	28	+ 15				3	19					*Malvern.*§
a Cirencester	446													•	•	•	•	•	•	•	•	•	Cirencester.
a Bath	66	54	22, 24	27	19, 20	48·4	37·3	43·1	+ 2·9	6	1·34	34	+ 17	0·9	—	12	•	•	•	•	•	•	Bath.
5. ENGLAND, S.E														1·1	—	14	3	28	42·0	−1·3	46·0	−1·2	Worthing.
a Marlborough	424	50	22nd	24	19th	45·9	36·3	41·3	+ 3·1	6	1·45	37	+ 20	?0·8	− 0·3	11	1	18	41·1	•	44·9	•	Marlborough.
a Margate	53	53	24th	34	19th	47·7	39·4	43·7	+ 3·4	5	0·95	24	+ 12	0·6	− 0·9	8	0	35	42·9	−0·4	45·3	−0·1	Margate.
a Wisley, Surrey ..	150	52	24th	29	19th	47·4	37·3	42·6	+ 3·0	6	0·94	24	—	1·3	—	17	4	21	41·1	−1·1	44·5	−1·4	Wisley.
p Salisbury (Wilton) ..	180	52	22nd	28	20th	47·7	38·0	43·0	+ 4·3	6	1·58	40	+ 21	•	•	•	2	23	40·1	•	•	•	Salisbury.
a Tunbridge Wells ..	354	50	23, 24	31	19th	47·0	37·0	42·2	+ 3·8	6	1·64	42	+ 26	1·0	− 0·4	13	3	23	42·2	+0·3	45·3	•	Tunbridge Wells.
a Dungeness	21	51	24th	34	20, 21	46·1	39·7	43·0	+ 2·0	7	2·02	51	+ 39	•	•	•	•	•	•	•	•	•	Littlestone.
p Hastings	178	51	24th	35	19, 20, 21	47·0	39·3	43·3	+ 2·3	6	1·80	46	+ 30	1·2	—	16	0	32	41·9	•	45·5	•	Hastings.
p Southampton	64													•	•	•	•	•	•	•	•	•	Southampton.
a Ventnor	59	51	23, 24	33	20th	48·4	40·6	44·7	+ 1·3	6	2·01	51	+ 35	1·4	− 0·2	18	•	•	•	•	•	•	Ventnor.
LONDON. p Kew	18	52	24th	32	19, 20	47·1	37·9	42·7	+ 3·2	6	1·03	26	+ 15	1·2	0·0	16	4	23	40·3	−2·2	44·4	−1·8	Kew.
a Westminster	*27*	*53*	*24th*	*33*	*20th*	*48·2*	*38·9*	*43·7*	*+ 3·8*	*6*	*0·99*	*25*	*+ 14*	*0·6*	*+ 0·2*	*8*	3	29	•	•	•	•	*Westminster.*
a Greenwich	*155*	*52*	*24th*	*30*	*19th*	*47·1*	*38·0*	*42·7*	*+ 3·1*	*6*	*1·34*	*34*	*+ 23*	*1·0*	*− 0·1*	*13*	3	24	•	•	•	•	*Greenwich.*
a Hampstead	*450*	*49*	*24th*	*30*	*19, 20*	*45·0*	*36·0*	*40·7*	—	*6*	*1·06*	*27*	—	*1·0*	—	*13*	5	20	•	•	•	•	*Hampstead.*
a Camden Square ..	*110*	*52*	*24th*	*31*	*19th*	*47·4*	*37·9*	*42·8*	—	*6*	*1·00*	*25*	—	*0·5*	—	*7*	2	28	•	•	•	•	*Camden Square.*
7. a, ENGLAND, N.W.																	•	•	•	•	•	•	Hoylake.
p Aspatria	250	48	22, 25	25	19th	44·0	34·3	39·3	+ 0·6	6	1·78	45	+ 23	0·4	—	6	3	18	38·1	•	42·7	•	Aspatria.
p Newton Rigg	559	47	21, 23	23	19th	42·3	32·7	37·7	+ 0·7	6	1·71	43	+ 21	0·2	− 0·8	3	4	17	37·0	−3·4	40·0	−2·6	Newton Rigg.
p Stonyhurst	375	47	22, 23	26	19th	43·9	35·7	40·0	+ 1·5	6	2·43	62	+ 37	0·6	− 0·2	8	2	21	•	•	•	•	Stonyhurst.
p Blackpool	66	49	23rd	26	19th	44·9	37·1	41·2	+ 1·7	6	1·25	32	+ 15	0·7	− 0·2	10	3	21	40·2	•	41·7	•	Blackpool.
a Southport	*37*	*49*	*22nd*	*26*	*19, 20*	*45·4*	*35·1*	*40·9*	*+ 1·6*	*6*	*1·54*	*39*	*+ 22*	*0·8*	*− 0·1*	*11*	2	19	37·7	−2·4	39·8	−3·1	*Southport.*
a Liverpool (Bidston) ..	188	50	22nd	33	19th	45·9	38·4	42·3	+ 1·7	6	0·79	20	+ 7	*1·1*	—	*15*	•	•	•	•	•	•	*Liverpool.*
a Hawarden Bridge ..	*22*	*53*	*22nd*	*29*	*19th*	*48·0*	*39·0*	*43·7*	*+ 2·8*	*6*	*0·37*	*10*	*− 2*	*0·2*	—	*3*	2	24	38·4	−2·6	42·1	−2·9	*Manchester (City)*
p Manchester (Whit. Pk.)	125	49	22, 23	27	19th	45·4	37·6	41·7	+ 2·3	6	1·22	31	+ 14	*0·3*	*− 0·1*	*4*	•	•	•	•	•	•	" *(Whit. Park)*
b NORTH WALES.																							
p Llandudno	71	51	22, 23	30	19th	47·4	39·7	43·7	+ 1·1	6	1·32	34	+ 18	0·5	− 0·7	7	•	•	•	•	•	•	Llandudno.
a Holyhead	15	50	21, 22	32	19, 20	48·3	40·9	41·8	+ 1·9	7	2·09	53	+ 31	*0·9*	—	*12*	•	•	•	•	•	•	*Holyhead.*
p Bettws-y-Coed ..	*148*	*51*	*22nd*	*27*	*19th*	*46·7*	*38·0*	*42·5*	*+ 0·2*	*6*	*1·91*	*49*	—	*0·1*	—	*1*	•	•	41·4	−0·9	44·0	−1·2	*Bettws-y-Coed.*
														1·1	—	15	•	•	•	•	•	•	Aberdovey.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. in Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Difference from Average.	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft.		
						Of Daily Max.	Of Daily Min.	Daily Mean.									Ground Frosts.	Lowest Reading.	Mean.	Difference from average.	Mean.	Difference from average.	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES.														0·9	—	12	*	*	*	*	*	*	Aberystwyth.
a Llangammarch Wells	550	49	22, 24	22	19th	45·6	35·4	40·7	+ 2·5	6	2·15	55	—	0·1	—	1	2	16	40·3	-2·6	44·4	-2·2	Llangammarch.
a Pembroke	149	50	21–24	34	20th	48·9	42·4	45·8	+ 1·4	6	1·30	33	+ 10	1·4	0·0	18	*	*	*	*	*	*	Pembroke.
p Cardiff	202	50	22, 24	31	19, 20	47·0	39·3	43·3	+ 3·8	6	1·91	49	+ 23	*1·0*	—	*13*	2	24	40·7	-1·6	44·8	-0·9	*Cardiff.*
b, ENGLAND S.W.																							
a Clifton	229	51	22, 23, 24	28	20th	47·7	36·6	42·4	+ 1·7	6	1·64	42	+ 23	*0·4*	—	*5*	2	25	*	*	*	*	*Clifton.*
a Shaftesbury	722	49	23rd	29	20th	45·0	36·7	41·0	+ 2·0	6	1·70	43	+ 24	*	*	*	*	*	40·6	*	44·3	*	Shaftesbury.
a Arlington	613	50	23rd	26	20th	46·4	37·3	42·0	+ 1·2	6	2·86	73	+ 37	*	*	*	*	*	*	*	*	*	Arlington.
a Newquay	*190*	*52*	*23, 23, 24*	*28*	*20th*	*49·6*	*40·4*	*45·2*	*0·0*	*4*	*1·37*	*35*	*+ 13*	1·3	- 0·3	16	2	25	43·8	*	47·1	*	Newquay.
a Cullompton	202	52	22nd	26	20th	47·7	37·7	42·9	+ 2·3	6	2·00	51	+ 29	1·1	- 0·1	14	2	20	42·0	*	*	*	Cullompton.
a Portland Bill	19	51	23, 24	34	20th	48·0	41·6	44·9	+ 1·7	6	2·01	51	—	*1·4*	—	*18*	*	*	*	*	*	*	*Weymouth.*
p Plymouth	116	53	24th	31	19, 20	49·0	40·7	45·0	+ 1·4	5	2·44	62	+ 37	1·1	- 0·5	14	*	*	42·4	-3·3	46·5	*	Plymouth.
a Falmouth	167	52	22, 23, 24	29	20th	49·7	39·3	44·7	- 0·2	4	1·64	42	+ 9	1·3	- 0·5	16	2	21	43·7	*	47·5	*	Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	50	21, 22	32	19th	47·6	38·9	43·4	+ 1·5	7	0·75	19	+ 1	*0·1*	—	*1*	*	*	*	*	*	*	*Malin Head.*
a Blacksod Point ..	?	50	22nd	31	19th	46·7	37·9	42·5	- 1·0	6	1·02	26	- 7	*	*	*	*	*	*	*	*	*	*
p Markree Castle ..	122	55	22nd	19	19th	47·0	36·1	41·8	+ 1·6	7	1·96	50	+ 24	0·2	- 0·9	3	2	17	41·1	*	45·0	*	Markree Castle.
a Birr Castle	175	50	21, 22	20	20th	46·3	35·1	40·9	+ 0·5	6	0·94	24	+ 6	*0·8*	*- 0·6*	*11*	*	*	*	*	*	*	*Birr Castle.*
b, East .. { *p* Armagh	196	50	22nd	23	19th	44·4	36·9	40·8	+ 0·8	7	1·15	29	+ 13	0·0	- 1·2	0	2	19	40·2	-1·5	43·4	-1·6	Armagh.
a Donaghadee	101	49	21st	32	19, 20	45·7	37·9	42·0	+ 0·6	7	0·80	20	+ 3	*	*	*	*	*	*	*	*	*	*
10. IRELAND, S.														0·8	—	11	2	23	41·3	-1·3	42·4	-3·1	Trinity Coll.
														1·5	- 0·2	21	2	17	*	*	*	*	Phœnix Park.
a, East .. { *p* Dublin, City	47	52	22nd	28	19th	47·0	39·7	43·5	+ 1·0	7	0·86	22	+ 10	*	*	*	2	25	*	*	*	*	Dublin City.
a Kilkenny	212	52	22nd	22	19, 20	46·9	34·7	41·0	+ 0·3	6	0·74	19	0	*	*	*	*	*	*	*	*	*	*
a Waterford	20	51	21, 22, 24	27	19th	48·9	35·1	43·7	+ 1·6	4	0·65	24	- 1	*	*	*	*	*	*	*	*	*	*
a Seskin, Carrick-on-Suir	*541*	*52*	*22nd*	*27*	*19th*	*46·0*	*38·3*	*42·3*	—	*6*	*0·83*	*21*	—	*	*	*	2	24	*	*	*	*	*Seskin.*
b, West .. { *a* Birr Castle	175	50	21, 22	20	20th	46·3	35·1	40·9	+ 0·5	6	0·94	24	+ 6	0·8	- 0·6	11	*	*	*	*	*	*	Birr Castle.
a Foynes	50	52	22nd	22	19th	48·4	37·2	43·0	+ 0·2	5	0·94	24	- 1	*	*	*	*	*	*	*	*	*	*
a Cahir	198	51	21, 22	21	19th	48·4	34·1	41·5	- 1·0	4	0·91	24	—	*	*	*	*	*	*	*	*	*	*
a Killarney	174	55	22nd	25	19th	49·0	38·1	43·8	+ 0·4	6	1·55	39	- 2	*	*	*	*	*	*	*	*	*	*
a Valencia	30	53	21st	29	19, 20	50·0	39·6	45·0	- 0·5	4	1·22	31	- 6	0·7	- 0·6	9	*	*	*	*	*	*	Valencia.
a Roche's Point	32	51	21, 22	33	20th	48·1	40·4	44·4	- 0·2	6	1·16	30	- 1	1·3	—	17	*	*	*	*	*	*	Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	53	24th	36	20th	50·1	43·4	46·9	- 0·5	4	0·91	23	0	1·0	- 0·6	13	*	*	*	*	*	*	Scilly.
a Jersey, St. Aubins ..	25	56	24th	40	20th	51·1	44·3	47·8	+ 3·3	6	1·38	35	+ 13	1·7	- 0·3	21	*	*	*	*	*	*	St. Heliers.
a Guernsey (Villa Carey)	180	55	21st	40	20, 21	51·4	43·3	47·5	+ 2·4	6	1·32	34	+ 9	1·0	- 0·4	13	0	36	45·4	-1·1	48·3	-0·9	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, December 25th, 1915.

DISTRICT AND STATION.	Height.		Distribution of Wind.								Extreme Velocities.							
	Above Ground.	Above Building.	Gales, force 8 or more.		High Winds, forces 6 and 7.		Fresh or Moderate Winds, forces 4 and 5.	Light Winds, forces 2 and 3.	Calms and Light Airs, forces 0 and 1.	No Record.	Highest Hourly Wind.				Highest Gust with Date and Time.			
			Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Direction and Velocity.		Date and Hour.					
	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.			m. s.	d.	h. m.	
1. SCOTLAND, E.																		
Dyce	75	‡15**	—	—	—	—	60	69	39	0	E.	11	23rd	16h.	24	23rd	15 . 41	
Aberdeen*	105	347 / 52 ‖	23rd	5	23 to 25	50	27	70	16	0	ESE.	19	23rd	17h.	25	23rd	16 . 1	
Edinburgh	39	31	—	—	—	—	11	123	34	0	SSE.	11	23rd	8h.	16	23rd	8 . 2	
6. SCOTLAND, W.																		
Eskdalemuir ..	50	22	—	—	21, 23	7	32	58	71	0	S. by W.	12	23rd	8h.	20	23rd	7 . 42	
Paisley (Coats Obs.)	81	52	—	—	—	—	7	91	70	0	NW.	8	21st	14h.	17	21st	14 . 17	
2. ENGLAND, N.E.																		
Alnwick Castle ..	70	17	—	—	—	—	—	57	111	0	NNW.	5	21st	13h.	11	21st	13 . 23	
South Shields ..	61	12	—	—	—	—	21	117	30	0	SE. by E.	9	24th	21h.	12	23rd	6 . 30	
Spurn Head	40	‡	—	—	—	—	69	63	0	31	—	9	23rd	5h.	15	23rd	3 . 20	
3. ENGLAND, E.																		
Gorleston	42	‡‡	—	—	—	—	54	56	4	54	—	10	25th	1?h.	13	24th	21 . 0?	
Shoeburyness ..	90	‡‡	—	—	23 to 25	8	79	80	1	0	—	12	24th	24h.	17	24th	23 . 10	
4. MIDLAND COUNTIES.																		
Benson	84	‡	—	—	—	—	57	74	37	0	SSW.	10	22nd	24h.	19	22nd	24 . 11	
5. ENGLAND, S.E.																		
Dover	40	‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Warlingham ..	33	‡‡	—	—	—	—	40	103	16	9	—	8	23rd	3h.	14	25th	12 . 48	
Brighton	53	6	—	—	—	—	4	59	95	10	—	6	24th	24h.	15	24th	13 . 0	
Kew†	65	6 / 22 ‖	—	—	—	—	41	97	30	0	SE.	9	24th	21h.	15	25th	10 . 2	
South Kensington ..	92	30	—	—	—	—	1	93	74	0	SW. by S.	6	23rd	2h.	12	25th	10 . 0	
7. ENGLAND, N.W.																		
Carnforth	56	23	—	—	—	—	13	78	77	0	W. by S.	7	21st	13h.	14	23rd	6 . 42	
Southport	62	48	—	—	21st	6	83	73	6	0	W. by N.	12	21st	12h.	19	23rd	3 . 40	
Holyhead*	40	‡	23rd	3	21 to 23	23	102	39	1	0	SW. by S.	18	23rd	2h.	27	23rd	3 . 8	
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	65	24	22 to 24	23	21 to 25	43	55	32	7	3	SSW.	22	22nd	21h.	34	22nd	21 . 55	
Plymouth	88	2	22, 24	25	19, 21 to 25	71	51	10	11	0	—	24	22nd	22h.	31	22nd	22 . 35	
10. IRELAND, S.																		
Quilty	40	‡	22nd	2	21 to 23	14	82	39	3	28	—	23	22nd	23h.	32	22nd	22 . 18	
Weaver Pt.	30	‡	22nd	2	22nd	6	62	97	1	0	—	20	22nd	21h.	36	22nd	21 . 12	
11. ENGLISH CHANNEL.																		
Scilly*	32 / 19	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.

† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees.

‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FIFTY-FIRST WEEK—December 19th to December 25th, 1915.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.	Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	47	26	41·6	35·3	38·6	− 0·1	0	− 8	24	− 7	6	+ 1	1·13	29	− 1	0·2	−0·3	3	1001
Eastern.																			
1. SCOTLAND, EAST ...	47	14	41·9	33·6	37·9	+ 0·6	0	− 7	29	− 12	7	+ 4	1·24	32	+ 18	0·2	−0·7	3	1001
2. ENGLAND, N.E.	52	28	44·1	35·7	40·1	+ 1·6	6	− 2	25	− 8	6	+ 2	1·01	26	+ 14	0·7	−0·4	10	1002
3. ENGLAND, EAST ...	52	28	45·4	36·4	41·1	+ 3·0	10	+ 2	23	− 15	6	+ 3	1·04	26	+ 17	0·9	−0·5	11	1004
4. MIDLAND COUNTIES ...	54	23	45·8	35·8	41·0	+ 3·0	11	+ 2	26	− 13	6	+ 3	1·00	26	+ 14	0·5	−0·6	7	1004
5. ENGLAND, S.E.	53	24	47·1	38·4	42·9	+ 2·7	21	+ 7	10	− 17	6	+ 3	1·49	38	+ 26	1·1	−0·4	14	1006
Western.																			
6. SCOTLAND, WEST ...	50	21	43·9	35·4	39·9	− 0·1	5	− 6	26	0	7	+ 3	1·73	44	+ 16	0·3	−0·6	4	1001
7. ENGLAND, N.W.	51	23	45·3	37·1	41·3	+ 1·6	9	− 2	20	− 7	6	+ 3	1·57	40	+ 23	0·6	−0·4	8	1001
8. ENGLAND, S.W.	53	22	47·5	38·7	43·3	+ 1·4	23	+ 5	9	− 9	6	+ 2	1·97	50	+ 27	1·0	−0·4	14	1006
9. IRELAND, NORTH ...	55	19	46·3	37·1	41·9	+ 1·0	12	− 1	22	0	7	+ 2	1·10	28	+ 7	0·1	−1·0	1	999
10. IRELAND, SOUTH ...	55	20	48·1	37·4	43·0	+ 0·3	26	+ 4	13	− 4	5	+ 1	1·03	26	0	1·1	−0·4	15	1000
11. ENGLISH CHANNEL ...	56	36	50·9	43·7	47·4	+ 1·9	38	+ 8	0	− 5	5	0	1·20	31	+ 12	1·2	−0·6	16	1007

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 4 Weeks, November 28th to December 25th, 1915.

0. SCOTLAND, NORTH ...	47	16	40·5	32·3	36·6	*	0	− 39	151	+ 38	24	+ 2	5·70	145	+ 4	0·5	−0·2	7	1000
Eastern.																			
1. SCOTLAND, EAST ...	47	8	40·0	30·9	35·6	*	0	− 35	178	+ 34	22	+ 6	4·64	118	+ 49	0·7	−0·4	10	1000
2. ENGLAND, N.E.	55	22	43·3	33·9	38·8	*	17	− 25	121	+ 11	22	+ 6	4·33	110	+ 57	1·3	0·0	17	1001
3. ENGLAND, EAST ...	57	21	46·1	36·2	41·4	*	56	+ 10	90	− 37	22	+ 7	3·92	99	+ 51	1·0	−0·4	13	1003
4. MIDLAND COUNTIES ...	58	18	45·2	33·8	39·7	*	47	− 1	118	− 14	22	+ 7	4·40	113	+ 59	0·9	−0·3	12	1003
5. ENGLAND, S.E.	63	17	47·9	37·8	43·0	*	91	+ 20	55	− 34	22	+ 7	6·54	167	+106	1·1	−0·4	14	1004
Western.																			
6. SCOTLAND, WEST ...	51	21	42·5	33·8	38·4	*	8	− 48	120	+ 36	22	+ 4	5·73	146	+ 20	1·0	0·0	14	1000
7. ENGLAND, N.W.	54	23	44·1	35·5	39·9	*	24	− 33	101	+ 16	21	+ 4	5·29	135	+ 53	0·9	−0·2	13	1000
8. ENGLAND, S.W.	57	22	48·1	38·4	43·5	*	94	+ 6	48	− 15	24	+ 6	7·81	198	+ 94	1·1	−0·5	14	1003
9. IRELAND, NORTH ...	55	19	45·0	35·5	40·4	*	34	− 26	104	+ 24	23	+ 2	4·26	107	+ 19	1·1	−0·2	15	998
10. IRELAND, SOUTH ...	56	20	47·2	36·7	42·2	*	84	− 12	69	+ 8	21	+ 2	4·14	104	+ 3	1·5	−0·1	20	1000
11. ENGLISH CHANNEL ...	57	30	51·2	43·3	47·4	*	161	+ 20	7	− 7	25	+ 5	7·68	196	+103	1·4	−0·5	17	1004

THE YEAR.—Aggregates, &c., for the Period of 51 Weeks, January 3rd to December 25th, 1915.

0. SCOTLAND, NORTH ...	80	12	51·1	39·8	45·2	*	2006	− 99	829	+ 67	221	−21	41·92	1064	−235	3·3	+0·2	27	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	8	52·4	38·3	45·1	*	2150	−197	1059	+174	195	− 4	32·77	835	+ 70	3·8	+0·1	31	1012
2. ENGLAND, N.E.	85	20	54·0	41·1	47·3	*	2560	− 74	660	+ 11	175	− 6	25·52	649	+ 28	4·1	+0·1	34	1013
3. ENGLAND, EAST ..	90	18	55·4	42·4	48·7	*	2970	− 69	573	−150	183	+ 8	28·11	716	+130	4·3	−0·1	35	1013
4. MIDLAND COUNTIES ...	87	18	55·6	40·4	47·7	*	2803	−150	745	− 12	160	−13	28·85	736	+ 81	3·9	0·0	32	1013
5. ENGLAND, S.E.	88	15	56·2	43·0	49·4	*	3142	−175	486	− 33	153	−15	33·62	860	+190	4·4	−0·1	36	1013
Western.																			
6. SCOTLAND, WEST ...	78	14	53·5	40·6	46·8	*	2429	−144	743	+169	184	−25	36·50	929	−269	4·1	+0·3	33	1012
7. ENGLAND N.W.	77	14	54·0	41·9	47·8	*	2637	−177	602	+ 84	167	−26	31·90	812	− 56	4·3	+0·4	36	1013
8. ENGLAND, S.W.	79	14	55·4	43·3	49·1	*	2992	−184	456	+ 55	185	− 8	41·20	1047	+ 88	4·4	+0·1	36	1013
9. IRELAND, NORTH ...	75	18	53·7	41·9	47·7	*	2576	−115	564	+ 84	217	−11	33·37	848	−107	3·6	0·0	30	1012
10. IRELAND, SOUTH ...	78	20	55·7	43·3	49·3	*	3068	− 63	458	+ 91	213	+10	39·33	1002	+ 8	4·1	+0·1	33	1013
11. ENGLISH CHANNEL ...	81	27	56·7	46·8	51·6	*	3589	−175	146	+ 21	181	−26	36·19	915	+107	4·9	−0·4	41	1014

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics.
South Kensington, S.W., December 30th, 1915.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased, either directly or through any Bookseller, from WYMAN AND SONS, LTD., FETTER LANE, E.C.; or H.M. STATIONERY OFFICE (SCOTTISH BRANCH), 23, FORTH STREET, EDINBURGH; or E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN; or from the Agencies in the British Colonies and Dependencies, the United States of America and other Foreign Countries of T. FISHER UNWIN, LIMITED, LONDON, W.C.

THIRTY-EIGHTH YEAR. Vol. XXXII. (New Series.) } No. 52. FIFTY-SECOND WEEK, SUNDAY, DECEMBER 26TH, 1915, TO SATURDAY, JANUARY 1ST, 1916.

Price 6d., Post free 7d.
Annual Subscription Post Paid £1 10s. 0d.

I.—Remarks.

The most striking feature of the weather was the unusually high temperature, the departure from the normal exceeding 8° in England East and South-East and the Midland Counties and 6° in England South-West. On December 31st or January 1st maxima as high as 55° or above were recorded in all the English and Irish districts, and the Scottish values were not many degrees lower. Frost occurred at most stations in the north and north-east on the 27th, but as a rule the minimum readings were very high for the time of year; over Ireland and a large portion of England all the values were above 32°. Rain fell almost daily over the Kingdom generally and was heavy or very heavy in all districts except Scotland North. In several instances downpours of about 25 mm. were experienced the most common dates being the 26th in the west and south-west and again late in the week. At Carrick-on-Suir on December 26th there was 33 mm., and at several places in the south-west of England 26 mm. At Killarney on the 30th there was as much as 34 mm., followed by 45 mm. on the 31st and 15 mm. on January 1st. Falls of 25 mm. were rather common in Scotland on December 30th and 31st. Towards the end of the week thunderstorms passed over the east and south of Ireland and various localities in England. Bright sunshine was either moderate or scanty, the mean daily duration ranging from 1·4 hour in the English Channel and nearly as much in England East and in Ireland to only 0·3 hour in the north and east of Scotland.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* below.—Note (4).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Very unusual	Unusual	Unusual	Very unusual
	Rainfall ...	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Very heavy	Heavy	Very heavy	Very heavy	Heavy
	Sunshine ...	Moderate	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty

THE SEASON.

WINTER. 5 weeks from Nov. 28th, 1915.	Warmth ...	0, 2, 3	1, 1, 3	1, 3, 1	2, 3, 0	2, 2, 1	2, 3, 0	1, 2, 2	1, 3, 1	2, 2, 1	1, 2, 2	1, 3, 1	3, 1, 1
	Rainfall ...	1, 4, 0	3, 2, 0	4, 1, 0	5, 0, 0	4, 1, 0	5, 0, 0	3, 2, 0	4, 1, 0	5, 0, 0	4, 1, 0	2, 2, 1	5, 0, 0
	Sunshine ...	0, 4, 1	0, 3, 2	1, 3, 1	0, 3, 2	0, 3, 2	0, 3, 2	1, 3, 1	1, 3, 1	0, 2, 3	1, 3, 1	1, 2, 2	0, 1, 4

PAST SEASONS.

WINTER, 1914–15. Nov. 29th–Feb. 27th. 13 weeks.	Warmth ..	4, 6, 3	1, 9, 3	4, 6, 3	7, 5, 1	4, 7, 2	7, 3, 3	2, 8, 3	4, 6, 3	1, 9, 3	3, 5, 5	0, 6, 7	3, 6, 4
	Rainfall ...	3, 8, 2	8, 3, 2	9, 3, 1	11, 1, 1	10, 2, 1	10, 2, 1	7, 3, 3	9, 3, 1	10, 2, 1	8, 4, 1	8, 4, 1	10, 2, 1
	Sunshine ...	3, 5, 5	3, 6, 4	2, 7, 4	0, 6, 7	1, 9, 3	1, 10, 2	5, 4, 4	6, 5, 2	3, 7, 3	4, 6, 3	6, 5, 2	1, 8, 4
SPRING, 1915. Feb. 28th–May 29th. 13 weeks.	Warmth ...	3, 9, 1	3, 7, 3	5, 6, 2	2, 9, 2	4, 6, 3	4, 7, 2	3, 7, 3	3, 8, 2	3, 8, 2	3, 7, 3	4, 6, 3	2, 9, 2
	Rainfall ...	3, 3, 7	4, 4, 5	2, 6, 5	3, 5, 5	2, 7, 4	3, 4, 6	2, 4, 7	3, 6, 4	3, 4, 6	1, 7, 5	2, 4, 7	2, 8, 3
	Sunshine ...	4, 6, 3	4, 9, 0	3, 8, 2	6, 4, 3	3, 7, 3	3, 7, 3	6, 4, 3	6, 6, 1	2, 9, 2	4, 5, 4	4, 4, 5	1, 6, 6
SUMMER, 1915. May 30th–Aug. 28th. 13 weeks.	Warmth ...	5, 5 3	3, 6, 4	4, 5, 4	3, 4, 6	2, 7, 4	2, 4, 7	4, 5, 4	3, 7, 3	3, 5, 5	3, 8, 2	4, 6, 3	2, 7, 4
	Rainfall ...	1, 7, 5	4, 6, 3	5, 3, 5	6, 3, 4	6, 2, 5	4, 4, 5	2, 6, 5	3, 6, 4	6, 2, 5	4, 5, 4	5, 4, 4	3, 5, 5
	Sunshine ...	3, 7, 3	4, 2, 7	4, 3, 6	6, 3, 4	5, 2, 6	3, 5, 5	3, 3, 7	4, 6, 3	5, 5, 3	2, 6, 5	3, 7, 3	3, 4, 6
AUTUMN, 1915. Aug. 29th–Nov. 27th. 13 weeks.	Warmth ...	4, 3, 6	3, 3, 7	4, 4, 5	3, 5, 5	3, 4, 6	3, 2, 8	4, 2, 7	4, 3, 6	3, 4, 6	5, 2, 6	6. 0, 7	4, 2, 7
	Rainfall ...	2, 2, 9	5, 2, 6	2, 4, 7	4, 3, 6	2, 4, 7	4, 3, 6	0, 5, 8	1, 3, 9	3, 2, 8	1, 5, 7	5, 2, 6	4, 3, 6
	Sunshine ...	7, 2, 4	5, 5, 3	4, 5, 4	2, 6, 5	2, 8, 3	2, 6, 5	6, 3, 4	7, 5, 1	6, 4, 3	5, 4, 4	4, 5, 4	3, 7, 3

II.—TEMPERATURE of the SEA. [1907.] Week ending on morning of Saturday, January 1st. Taken daily at or about sunrise and at 4 p.m.

DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.	DISTRICT AND STATION.	Highest.	Lowest.	Mean.	Difference from Average.
	°	°	°	°		°	°	°	°
SCOTLAND, N.					IRELAND, S.W.				
Lerwick	—	—	—	—	Cleggan	46	45	45·5	+0·5
Wick	—	—	—	—					
					ENGLAND, N.E.				
SCOTLAND, W.					Burnmouth, Berwick	44	42	42·8	+0·5
Ballantrae	47	44	45·1	+1·0					
					ENGLAND, E.				
ENGLAND, S.W.					Shipwash Lightship	—	—	—	—
Scilly	—	—	—	—					
Plymouth‡	50	49	49·1	+0·4	ENGLAND, S.E.				
					Eastbourne‡	47	46	46·5	+1·9
IRELAND, N.W.									
Sheephaven	48	44	45·1	−0·4	ENGLAND, N.W.				
					Port Erin	49	47	47 8	+0·1

‡ Only one observation each day.

(1) Charts forming the second section of this Report will be issued when the data have been received.

(2) The dates in square brackets at the head of the tables are the years in which the information referred to was first included in the Report.

(3) Tables for converting from mercury inches to millibars (mb.), from inches to millimetres (mm.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(4) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office. Copies will be issued to regular recipients of the Report at the beginning of each quarter.

(5) The following are the relations between the metric units used in the Report and the corresponding units used previously.

1 mm. = ·04 (·0394) inch. 1000 mb. = 29·531 mercury inches. 1 m/s. = 2·24 miles per hour.

III.—DATA from which the SUMMARY in Table V. has been calculated. [TEMPERATURE and RAINFALL, 1878, SUNSHINE, 1880. GROUND TEMPERATURE, 1906.] Values printed in Italic Type are not used for the computation of District Values.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine. Hours per Day.			Ground Temperature.					STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Average	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Daily Mean.	Difference from Average	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Difference from Average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from Average.	
	Ft.	°		°		°	°	°	°		hr. min.	mm.	hr.	hr.	%	°	°	°	°	°	°	
0. SCOTLAND, N.																						
a, Islands.. *p* Baltasound	*31*																					*Baltasound.*
a Lerwick..	54	46	31,1	29	26th	43·1	36·3	39·8	− 0·1	6	0·79	20	—	0·4	− 0·5	7						Deerness.
a Stornoway	51	50	31st	32	27th	45·4	37·6	41·7	+ 2·1	5	1·23	31	− 5	[illegible]	− 0·1	11						Stornoway.
a Castlebay, Barra Isd.	*37*	*51*	*1st*	*37*	*27th*	*47·0*	*40·9*	*44·1*	*+ 1·7*	5	*1·00*	*25*	—	*0·3*	—	5						*Castlebay.*
b, Mainland. *a* Wick	81	47	31,1	29	27th	44·1	36·3	40·4	+ 1·8	7	0·41	10	− 7									
p Strathpeffer	200	53	31st	30	27th	44·9	35·3	40·3	+ 3·2	3	0·26	7	− 12	0·1	− 0·9	2						Strathpeffer.
p Glencarron	500	52	31st	33	27, 29	43·9	36·7	40·4	+ 3·5	5	1·57	40	− 20									
p Fort Augustus..	68	53	31st	32	27th	45·6	39·3	42·6	+ 4·4	7	1·12	28	− 5	0·1	− 0·3	2						Fort Augustus.
p Fort William	171	53	31st	30	29th	46·3	37·3	42·0	+ 2·2	6	2·15	55	− 2									
1. SCOTLAND, E.																						
p Gordon Castle	101	52	1st	30	27, 28	44·1	36·0	40·2	+ 1·9	7	0·67	17	+ 2	0·0	—	0	3	21	36·5	−0·9	37·7	−2·0	Crathes.
a Nairn	82	51	31st	27	27th	44·4	33·4	39·1	+ 1·6	4	0·48	12	0	*0·4*	—	*6*						*Gordon Castle.*
a Aberdeen	46	50	1st	31	27th	45·3	36·9	41·3	+ 3·2	5	1·07	27	+ 11	0·5	—	8						Nairn.
a Balmoral	930	50	1st	23	27th	43·0	31·3	37·4	+ 3·0	6	1·47	37	+ 19	0·3	− 0·9	5						Aberdeen.
p Crieff	432	51	1st	34	29th	43·3	36·6	40·1	+ 2·6	7	2·20	56	+ 32				5	20				Balmoral.
a Leith	18	54	1st	36	27th	47·1	39·4	43·4	+ 4·1	5	0·91	23	+ 13	0·2	—	3						Balruddery.
a West Linton	769	50	31st	30	26, 27	44·3	34·4	39·6	+ 4·7	7	1·34	34	—	*0·2*	—	*3*	4	21				*West Linton.*
p Marchmont	498	51	1st	30	26th	44·7	35·3	40·2	+ 3·6	6	1·45	37	+ 23	0·1	− 1·1	1	2	25				Marchmont.
a Edinburgh	*441*	*53*	*1st*	*35*	*29th*	*45·4*	*38·3*	*42·0*	—	7	*1·17*	*30*	—	0·5	—	7	0	32				Edinburgh.
6. *a* SCOTLAND, W.																						
a Poltalloch	132	50	31,1	35	27, 29	45·1	38·7	42·0	+ 2·3	6	2·43	62	+ 32									
p Glasgow Observatory	180	53	1st	36	29th	46·1	39·6	43·0	+ 3·9	7	1·60	41	+ 19	0·4	− 0·1	6	0	33				Glasgow.
p Rothesay	170	50	1st	35	27th	45·6	39·1	42·5	+ 2·5	7	1·81	46	+ 18	*0·4*	—	*6*	0	33	40·3		42·0	−1·6	*Rothesay.*
a Kilmarnock	90	53	31st	36	29th	47·1	39·1	43·3	+ 3·3	7	1·41	36	—	*0·3*	—	*4*						*Kilmarnock.*
a Colmonell	170	53	1st	35	29th	46·9	39·3	43·3	+ 2·4	7	2·53	64	+ 36				1	30				
a Dumfries	160	53	31st	34	28th	46·1	37·9	42·2	+ 3·6	7	1·82	46	+ 25	*0·5*	—	7	1	28	39·3		39·9		*Dumfries.*
Eskdalemuir	*799*	*49*	*31,1*	*33*	*26, 27, 29*	*44·1*	*35·4*	*39·9*	—	7	*2·91*	*74*	—	*0·2*	—	*3*						*Eskdalemuir.*
p Cally, Gatehouse	120	50	31,1	32	28th	46·3	38·3	42·5	+ 3·7	6	2·32	59	+ 30									
b, I. OF MAN. *p* Douglas	277	52	1st	38	28th	47·1	41·3	44·3	+ 2·6	7	2·04	52	+ 27	0·7	− 0·7	10	0	35				Douglas.
2. ENGLAND, N.E.																						
a Alnwick Castle	219	53	1st	30	27th	46·3	37·0	41·8	+ 3·1	6	1·69	43	+ 28	0·1	—	1	3	25	38·9	+1·3	40·3	−0·5	Cockle Park.
a Tynemouth	71	54	1st	37	26, 27	46·6	39·7	43·3	+ 4·2	5	0·98	25	+ 14										*Tynemouth.*
p Durham	336	54	1st	32	24, 27	46·0	37·3	41·8	+ 4·1	7	1·36	35	+ 25	0·3	− 1·1	4	2	28					Durham.
a, North.. *p* Rounton	249	54	1st	34	26th	47·4	38·7	43·2	+ 5·7	7	0·91	23	+ 12				3	29	39·6				Rounton.
a West Witton	*605*	*53*	*1st*	*33*	*26, 27*	*46·7*	*36·7*	*41·9*	—	7	*2·92*	*74*	—				1	27	38·7		39·7		*West Witton.*
p Scarborough	100	54	1st	37	27th	48·9	40·1	44·7	+ 5·5	9	0·98	25	+ 13	0·4	—	6					42·6†		Scarborough.
p York	56	57	1st	37	27-29	49·9	40·0	45·2	+ 7·0	7	1·26	32	+ 21	0·4	− 0·4	6			41·2	+0·9	42·9	−0·8	York.
b, South.. *a* Spurn Head	26	54	1st	38	26th	46·6	40·6	43·7	+ 4·1	7	0·89	23	+ 14	*1·0*	—	*14*							*Spurn Head.*
a Lincoln	58	54	27, 31	37	27th	50·1	40·5	45·5	+ 7·9	6	1·04	26	+ 16						40·4	+0·5	42·9	−0·9	Lincoln.
a Fulbeck	180	57	1st	36	29th	50·4	39·7	45·3	+ 7·8	7	1·10	28	+ 17	1·1	—	15	2	29	41·8	+1·7	44·0	−0·6	Rauceby.
														0·9	—	12							Skegness.
3. ENGLAND, E.																						
p Cromer	196	57	1st	37	28th	49·3	40·3	45·0	+ 7·6	6	0·39	10	—	0·7	—	9							Cromer.
p Little Massingham	280	55	1st	33	28th	48·7	38·1	43·6	+ 6·1	6	0·69	17	+ 4	0·3	− 1·1	4	1	26					Lit. Massingham.
a, North.. *a* Yarmouth	13	57	27th	38	29th	50·0	40·7	45·5	+ 7·2	5	0·65	17	+ 6	1·3	—	18			43·0	+3·2	46·0	+1·6	Yarmouth.
a Norwich	93	56	1st	37	29th	50·3	40·3	45·5	+ 7·3	5	0·66	14	—	*0·9*	—	*12*	0	31	41·1				*Norwich.*
a Geldeston	37	57	1st	38	29th	51·4	40·7	46·3	+ 8·1	5	0·47	12	+ 1	1·2	− 0·4	16							Geldeston.
b, South.. *p* Cambridge	41	58	1st	38	29th	51·7	41·3	46·7	+ 8·8	5	0·37	9	+ 1	2·0	+ 0·6	27	1	30	42·4	+2·0	44·8	+0·1	Cambridge.
a Clacton-on-Sea	54	54	1st	41	26th	48·9	43·0	46·1	+ 7·2	5	0·33	9	—	1·6	—	21	0	38	42·8	+0·5	45·1	−1·6	Clacton.
a Rothamsted	424	57	1st	36	26th	50·7	40·6	45·9	+ 8·1	6	0·84	21	+ 8	1·2	− 0·2	16	3	29	42·2				Rothamsted.
p Tottenham	61	57	1st	43	29th	52·1	45·6	49·0	+ 9·8	4	0·63	17	—	0·5	—	7	0	40			45·3	−0·8	Tottenham.
4. MIDLAND COUNTIES.																						
a, North.. *a* Harrogate	479	54	1st	35	26, 27, 29	47·6	37·6	42·8	+ 5·2	7	1·93	49	+ 35	0·6	—	8	1	30	40·0	−0·2	40·9	−0·9	Harrogate.
p Buxton	*987*	*51*	*1st*	*34*	*27, 29*	*45·7*	*37·9*	*42·0*	*+ 6·1*	7	*2·96*	*75*	*+ 46*	*0·4*	*	*5*	3	29	38·7	−0·6	41·0	−2·8	*Buxton.*
														0·6	—	8	0	32	40·5	+0·8	42 3	−1·4	Sheffield.
a Bawtry	65	56	1st	32	29th	49·9	37·6	44·0	+ 6·0	6	1·56	40	+ 30	0·5	− 0·5	7	3	25	40·8	*	42·3	*	Worksop.
a Nottingham	82	58	1st	37	27, 29	50·9	40·3	45·8	+ 7·4	6	0·95	25	+ 13	1·1	—	15	1	30	41·6	+2·4	41·1	−1·3	Nottingham.
b, East.. *p* Birmingham, Edgbsn.	535	55	1st	34	26th	49·3	40·0	44·8	+ 6·7	7	1·06	27	+ 14	0·9	—	12	0	34	43·1	+1·5	45·1	−0·6	Birmingham.
a Raunds	203	57	1st	36	26, 29	52·1	38·6	45·6	+ 7·9	6	0·65	16	—	*2·1*	—	*28*	3	28	42·1	*	46·0	*	*Raunds.*
p Oxford	208	57	1st	40	26th	51·7	43·1	47·6	+ 8·5	5	0·69	18	+ 7	1·5	+ 0·1	20	0	33	*	*	*	*	Oxford.
c, West.. *a* Cheadle	646	53	1st	35	27th	49·9	38·7	44·5	+ 7·2	6	1·43	36	+ 20	*	*	*	0	32	*	*	*	*	Cheadle.
p Shrewsbury	191	56	27, 1	35	26th	51·9	40·6	46·5	+ 6·5	6	1·06	27	—	*	*	*	1	29	*	*	*	*	Shrewsbury.
a Hereford§	291	53	26, 30, 31	38	26th	51·3	41·3	46·5	+ 7·7	7	1·43	36	+ 23		—		1	30		*		*	*Malvern.*§
a Cirencester	446													*	*	*	*		*	*	*	*	Cirencester.
a Bath	66	59	1st	43	26, 27	54·7	44·9	50·0	+ 9·9	5	1·10	28	+ 12	0·9	—	12	*	*	43·8	+1·0	44 9	−1·9	Bath.
5. ENGLAND, S.E														1·0	—	13	0	38	44·8	+2·8	46·0	−0·5	Worthing.
a Marlborough	424	55	1st	39	26th	51·3	41·7	46·7	+ 8·7	6	1 46	37	+ 21	0 4	− 0·8	5	0	35	43·4	*	45·1	*	Marlborough.
a Margate	53	56	1st	43	26th	52·3	44·3	48·5	+ 8·4	4	0·72	18	+ 7	1·0	− 0·5	13	0	38	44·6	+2·3	45·7	+0·8	Margate.
a Wisley, Surrey	150	56	1st	42	28th	52·3	44·3	48·5	+ 9·0	6	0·88	25	—	0·7	—	9	1	28	43·8	+2·5	44·8	−0·3	Wisley.
p Salisbury (Wilton)	180	57	1st	39	28-30	52·0	41·4	46·9	+ 8·4	6	2·33	59	+ 41	*	*	*	0	34	43·3	*	*	*	Salisbury.
a Tunbridge Wells	354	55	1st	42	26th	51·6	43·9	47·9	+ 9·7	5	0·96	24	+ 9	0·6	− 0·8	8	0	37	44·3	+3·3	45·5	*	Tunbridge Wells.
a Dungeness	21	53	27, 1	44	26th	50·4	46·1	48·3	+ 7·7	4	1·14	29	+ 17	*	*	*	*	*	*	*	*	*	Littlestone.
p Hastings..	178	53	27, 1	45	26-28	51·0	46·0	48·6	+ 8·0	5	0·88	22	+ 7	1·3	− 0·5	17	0	40	44·7	*	45·6	*	Hastings.
p Southampton	64	55	1st	42	26th	51·9	46·0	49·1	+ 8·2	6	1·69	43	+ 27	0·9	− 0·6	12	1	30	*	*	*	*	Southampton.
a Ventnor	59	54	1st	44	26th	52·0	46·4	49·3	+ 6·5	6	0·93	24	+ 9	0·9	− 0·7	11	*	*	*	*	*	*	Ventnor.
LONDON. *p* Kew	18	57	1st	41	26th	51·6	44·4	48·1	+ 8·9	6	0·81	21	+ 11	1·0	− 0·2	13	0	31	43·2	+1.8	44·6	−1·1	Kew.
a Westminster	*27*	*58*	*1st*	*43*	*26, 28*	*53·7*	*45·2*	*49·6*	*+10·0*	5	*0·73*	*19*	*+ 9*	*0·8*	*+ 0·3*	*11*	0	34	*	*	*	*	*Westminster.*
a Greenwich	*155*	*57*	*1st*	*40*	*26th*	*52·4*	*43·4*	*48·1*	*+ 8 5*	5	*0·71*	*18*	*+ 8*	*1·2*	*+ 0·1*	*16*	0	34	*	*	*	*	*Greenwich.*
a Hampstead	*450*	*55*	*1st*	*38*	*28th*	*50·7*	*41·3*	*46 2*	—	5	*0·78*	*20*	—	*0·8*	—	*11*	3	29	*	*	*	*	*Hampstead.*
a Camden Square	*110*	*57*	*1st*	*42*	*26th*	*52·7*	*44·1*	*48·6*	—	4	*0·72*	*18*	—	*0·5*	—	*7*	0	36	*	*	*	*	*Camden Square.*
7. *a*, ENGLAND, N.W.														1·0		14	*	*	*	*	*	*	Hoylake.
p Aspatria	250	54	31st	33	29th	47·4	38·4	43·1	+ 4·8	6	1·82	46	+ 26	0·6	—	9	1	30	40·2	*	42·8	*	Aspatria.
p Newton Rigg	559	52	31st	32	29th	45·6	37·0	41·5	+ 4·6	7	2·70	69	+ 48	0·2	− 0·9	3	4	25	39·2	−0·6	40·2	−2·0	Newton Rigg.
p Stonyhurst	375	53	27, 31, 1	35	28, 29	48·4	39·3	44·0	+ 5·8	6	1·59	41	+ 16	0·6	− 0·3	8	0	31	*	*	*	*	Stonyhurst.
p Blackpool	66	54	27, 31, 1	34	28, 29	49·7	39·0	44·6	+ 5·2	7	1·06	27	+ 10	1·0	0·0	14	1	29	42·1	*	44·7	*	Blackpool.
a Southport	*37*	*55*	*1st*	*35*	*29th*	*49·9*	*39·7*	*45·0*	*+ 5·7*	7	*0·94*	*24*	*+ 7*	*1·0*	*0·0*	*14*	1	29	40·2	+0·9	40·5	−1·9	*Southport.*
a Liverpool (Bidston)	188	55	1st	38	29th	49·3	40·9	45·3	+ 4·9	7	1·14	29	+ 16	*1·1*	—	*15*	*	*	*	*	*	*	*Liverpool.*
a Hawarden Bridge	*22*	*57*	*31, 1*	*39*	*29th*	*52·3*	*43·3*	*48·0*	*+ 7·3*	7	*0·83*	*21*	*+ 10*	*0·3*	—	*4*	0	36	41·0	+0·7	42·6	−1·9	*Manchester (City)*
p Manchester (Whit. Pk.)	125	55	27, 1	39	27-29	50·1	41·9	46·2	+ 6·9	7	1·94	27	+ 11	*0·6*	*+ 0·2*	*8*	*	*	*	*	*	*	" (Whit. Park)
b NORTH WALES.																						
p Llandudno	71	55	31,1	39	27-29	50·4	41·1	45·9	+ 3·6	6	1·75	44	+ 29	1·1	− 0·2	15	*	*	*	*	*	*	Llandudno.
a Holyhead	15	53	1st	41	29th	50·9	43·0	47·1	+ 4·6	6	2·09	53	+ 33	*0·8*	—	*11*	*	*	*	*	*	*	*Holyhead.*
p Bettws-y-Coed	*148*	*56*	*1st*	*36*	*27th*	*50·9*	*39·6*	*45·5*	*+ 3·7*	7	*3·50*	*89*	—	*0·2*	—	*3*	*	*	43·4	+1·7	44·4	−0·5	*Bettws-y-Coed.*
														0·5	—	7	*	*	*	*	*	*	Aberdovey.

† At 3 ft.

§ The temperature on the grass refers to Hereford.

III.—DATA from which the SUMMARY in Table V. has been calculated—*continued.*

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge.	Temperature of the Air. in Degrees Fahrenheit.								Rainfall.				Bright Sunshine. Hours per Day.			Ground Temperature.						STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Difference from Aver'ge	No. of Rain-Days.	Rainfall in the week.		Difference from Average.	Daily Mean	Difference from Average.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Difference from average.	Earth 4 ft. Mean.	Earth 4 ft. Difference from average.	
	Ft	°		°		°	°	°	°		in.	mm.	mm.	hr.	hr.	%	°	°	°	°	°	°	
8. *a*, SOUTH WALES														0·8		11							
a Llangammarch Wells	550	54	31, 1	40	26-30	51·1	40·8	46·2	+ 8·2	7	2·94	75	—	0·3	—	4	0	32	43·0	+0·8	44·5	-1·8	Llangammarch.
a Pembroke	149	53	1st	43	29th	51·4	45·6	48·6	+ 4·7	7	2·05	52	+ 30	0·6	- 0·9	8							Pembroke.
p Cardiff	202	57	1st	38	27th	50·7	42·4	46·7	+ 7·1	7	1·71	43	+ 18	*1·1*	—	*14*	0	35	43·3	+1·5	44·9	-0·2	*Cardiff.*
b, ENGLAND, S.W.																							
a Clifton	229	58	1st	42	26, 27	53·9	45·1	49·7	+ 9·2	5	1·13	29	+ 10	*0·7*	—	*9*	0	36					*Clifton.*
a Shaftesbury	722	56	1st	38	31st	50·3	41·0	45·8	+ 7·1	5	1·24	32	+ 14						43·9		44·9		Shaftesbury.
a Arlington	613	54	31, 1	40	26, 27	51·9	42·1	47·2	+ 7·0	6	1·40	36	+ 2										Arlington.
a Newquay	*190*	*56*	*31, 1*	*43*	*26-29*	*53·3*	*43·7*	*48·7*	+ *4·1*	*6*	*1·07*	*27*	+ *5*	0·3	- 1·3	4	0	39	46·6		47·2		Newquay.
a Cullompton	202	57	1st	40	28th	53·1	43·4	48·4	+ 8·0	7	1·78	45	+ 23	0·7	- 0·6	9	1	30	45·2				Cullompton.
a Portland Bill	19	54	1st	46	26th	51·7	47·7	49·8	+ 6·9	7	2·01	51	—	*0·7*	—	*9*							*Weymouth.*
p Plymouth	116	56	1st	43	27th	53·0	46·6	49·9	+ 6·7	6	1·92	49	+ 25	0·2	- 1·4	3			46·3	+1·4	47·0		Plymouth.
a Falmouth	167	56	1st	44	27-29	53·1	45·0	49·2	+ 4·8	6	2·15	55	+ 23	0·8	- 1·0	10	0	38	46·4		47·5		Falmouth.
9. IRELAND, N.																							
a, West .. { *a* Malin Head	208	51	31, 1	37	28th	47·1	39·6	43·5	+ 2·0	6	0·83	21	+ 4	*1·0*	—	*14*							*Malin Head.*
a Blacksod Point ..	?	53	31st	35	29th	48·0	38·3	43·3	+ 0·1	7	3·07	78	+ 46										
p Markree Castle ..	122	55	31, 1	33	28th	48·4	37·7	43·3	+ 3·2	7	2·62	67	+ 42	1·2	+ 0·1	17	2	29	42·0		44·9		Markree Castle.
a Birr Castle	175	55	31st	35	28th	50·3	40·4	45·6	+ 5·4	7	1·97	50	+ 33	*1·5*	+ *0·1*	*20*							*Birr Castle.*
b, East .. { *p* Armagh	196	54	1st	35	27th	47·4	38·7	43·2	+ 3·4	7	2·01	51	+ 36	1·2	- 0·1	17	1	30	41·9	+0·3	44·0	-0·7	Armagh.
a Donaghadee	101	51	31, 1	37	27th	48 0	41·1	44·7	+ 3·5	7	1·61	41	+ 24				0	31	43·5	+1·4	44·3	-0·9	Trinity Coll.
														0·8	—	11							
10. IRELAND, S.														1·6	- 0·1	22	1	30					Phœnix Park.
a, East .. { *p* Dublin, City	47	56	1st	39	27, 28	49·4	42·6	46·1	+ 3·9	7	2·07	53	+ 41				0	34					Dublin City.
a Kilkenny	212	56	31st	34	28th	51·0	39·0	45·2	+ 4·5	7	2·62	67	+ 48										
a Waterford	20	54	31st	34	29th	51·4	41·3	46·6	+ 4·8	7	3·20	81	+ 57										
a Seskin, Carrick-on-Suir	*541*	*52*	*1st*	*36*	*28th*	*48·0*	*39·9*	*44·1*	—	7	*4·33*	*110*	—	*0·9*		*12*	0	32					*Seskin.*
b, West .. { *a* Birr Castle	175	55	31st	35	28th	50·3	40·4	45·6	+ 5·4	7	1·97	50	+ 33	1·5	+ 0·1	20							Birr Castle.
a Foynes	50	55	31st	37	27, 29	51·6	39·9	46·0	+ 3·3	7	2·49	63	+ 39										
a Cahir	199	54	1st	34	27, 30	50·3	37·9	44·4	+ 2·2	7	2·16	55	—										
a Killarney	174	55	31, 1	34	28th	52·4	40·8	46·8	+ 3·8	7	5·20	132	+ 92										
a Valencia	30	55	28, 31	36	29th	53·3	41·7	47·7	+ 2·5	7	3·31	84	+ 48	0·3	- 1·1	4							Valencia.
a Roche's Point	32	53	31, 1	36	28, 29	51·4	42·4	47·1	+ 2·7	7	2·87	73	+ 43	0·9	—	12							Ballinacurra.
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	1st	44	29th	53·0	45·4	49·4	+ 2·3	6	1·26	32	+ 10	0·5	- 1·1	6							Scilly.
a Jersey, St. Aubins ..	25	57	26, 27, 1	46	27th	54·3	47·3	50·9	+ 6·9	4	0·94	24	+ 3	1·9	- 0·1	24							St. Heliers.
a Guernsey (Villa Carey)	180	56	26, 1	46	26, 27, 1	53·4	46·9	50·3	+ 5·6	5	1·25	32	+ 9	1·7	+ 0·2	21	0	40	47·3	+1·5	48·3	-0·4	Guernsey.†

† The Earth temperature and grass minimum values for Guernsey are from observations made at Brooklyn.

IV.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [1914.]

Week ending at midnight (24h.) on Saturday, January 1st, 1916.

DISTRICT AND STATION.	Height. Above Ground.	Height. Above Building.	Distribution of Wind. Gales, force 8 or more. Dates of Occurrence.	Gales, force 8 or more. Duration.	High Winds, forces 6 and 7. Dates of Occurrence.	High Winds, forces 6 and 7. Duration.	Fresh or Moderate Winds, forces 4 and 5. Duration.	Light Winds, forces 2 and 3. Duration.	Calms and Light Airs, forces 0 and 1. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Direction and Velocity.	Date and Hour.	Highest Gust with Date and Time.
1. SCOTLAND, E.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.		m/s.			m/s. d. h. m.
Dyce	75	‡15**	—	—	—	—	66	58	26	18	SE. by E.	11	31st 12h.		23 31st 13 . 2
Aberdeen*	105	37 ‖ 52 ‖	—	—	27, 29 to 1	29	72	47	20	0	NE.	14	27th 20h.		23 1st 22 . 32
Edinburgh	39	31	1st	1	27, 31, 1	26	48	88	5	0	S. by W.	19	1st 8h.		29 1st 8 . 8
6. SCOTLAND, W.															
Eskdalemuir ..	50	22	1st	10	27, 29 to 1	38	60	50	10	0	W. by S.	21	1st 22h.		34 1st 18 . 50
Paisley (Coats Obs.)	81	52	—	—	1st	7	81	62	18	0	WNW.	13	1st 22h.		29 1st 21 . 37
2. ENGLAND, N.E.															
Alnwick Castle ..	70	17	—	—	31st	2	56	57	53	0	S.	11	31st 11h.		22 1st 22 . 55
South Shields ..	61	12	—	—	27, 29 to 1	29	65	53	21	0	W. by N.	17	1st 20h.		27 1st 20 . 3
Spurn Head	40	†	27, 1	6	26 to 1	66	69	17	0	10	—	21	1st 21h.		31 1st 19 . 59
3. ENGLAND, E.															
Gorleston	42	‡	—	—	27 to 1	55	67	38	8	0	—	17	27th 18h.		29 27th 21 . 36
Shoeburyness ..	90	‡	27, 1	13	27 to 1	55	74	24	2	0	SW.	20	27th 16h.		30 27th 19 . 15
4. MIDLAND COUNTIES.															
Benson	84	‡	27, 31, 1	6	27, 29, 31, 1	41	85	33	3	0	SW.	18	1st 13h.		29 1st 16 . 25
5. ENGLAND, S.E.															
Dover	40	‡	27, 1	17	26 to 28, 30 to 1	40	80	20	11	0	—	23	1st 12h.		31 1st 12 . 45
Warlingham ..	33	‡	—	—	27, 31, 1	28	75	61	0	4	—	16	27th 11h.		30 27th 11 . 10
Brighton	53	6	—	—	27th	1	44	41	37	45	—	11	27th 18h.		22 27th 18 . 54
Kew†	65	6 ‖ 22 ‖	—	—	27, 31, 1	28	85	45	10	0	SW.	17	27th 17h.		29 1st 14 . 53
South Kensington ..	92	30	—	—	—	—	50	99	19	0	SW.	10	27th 20h.		22 1st 14 . 0
7. ENGLAND, N.W.															
Carnforth	56	23	—	—	1st	21	58	59	29	1	SW.	15	1st 18h.		24 1st 16 . 42
Southport	62	48	27, 1	14	26, 27, 29, 31, 1	48	81	23	2	0	SW. by W.	26	1st 17h.		38 1st 15 . 41
Holyhead*	40	‡	27, 29, 31, 1	17	26 to 1	95	45	11	0	0	WSW.	23	1st 17h.		34 1st 16 . 25
8. ENGLAND, S.W.															
Pendennis Castle§ ..	65	24	26, 27, 29 to 1	75	26 to 1	54	29	6	4	0	SW.	30	27th 10h.		40 27th 9 . 46
Plymouth	88	2	26, 27, 31, 1	20	26, 27, 29 to 1	65	50	15	12	6	—	29	27th 7h.		39 27th 10 . 8
10. IRELAND, S.															
Quilty	40	‡	31, 1	9	26 to 1	76	55	18	1	9	—	21	1st 13h.		31 1st 13 . 45
Weaver Pt.	30	‡	27, 29 to 1	31	26 to 1	65	47	23	2	0	—	25	1st 10h.		39 1st 12 . 10
11. ENGLISH CHANNEL.															
Scilly*	32 ‖ 19 ‖	‡	27, 29, 31, 1	26	26, 27, 29 to 1	71	48	12	5	6	WSW.	24	27th 10h.		40 27th 9 . 20

* Wind Direction at these stations is taken from the Robinson Instrument. At Scilly the value 19 refers to the Robinson Cup Anemometer.
† Until May 9th, 1914, the values published in this Report were obtained from an Anemograph ¼ mile East of the Observatory building with a vane 40 ft. above the ground. The instrument now used is on the Observatory building. ‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** Above tops of trees,
‖ Of the two values given for Aberdeen and Kew the former is the height of the Anemometer vane above the highest part of the building (tower at Aberdeen, staging at Kew), and the latter is the height of the vane above the main roof.

V.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

[Temperature and Rainfall 1878, Sunshine 1884, Pressure 1914.]

Explanation of the Summary.—The Distribution of the Districts, and the Stations from which reports are received, are shown on the previous pages. TEMPERATURE—The Temperature of the Air is obtained from thermometers placed in a louvred screen about 4 feet above the ground. *The Daily Mean* is obtained from the maxima and minima by applying a suitable correction. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905), but for districts 0, 1, and 6, the averages for district temperature are for 20 years only. ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours. The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905. PRESSURE—The District Values are obtained from the observations at 7 a.m. and 6 p.m. at the stations of the Daily Weather Report.

* An Asterisk is inserted in all places for which the information is not usually given.

FIFTY-SECOND WEEK—December 26th, 1915 to January 1st, 1916.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Pressure Mean for the Week at M.S.L.
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Difference from Average. (25 Years.)	Total Fall.		Difference from Average. (25 Years.)	Daily Mean.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)									
	°	°	°	°	°	°	day-deg.	day-deg.	day-deg.	day-deg.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	29	44·8	37·0	41·0	+ 2·7	8	+ 1	20	− 14	6	+ 1	1·08	27	− 2	0·3	−0·3	5	996
Eastern.																			
1. SCOTLAND, EAST ...	54	23	44·5	35·4	40·2	+ 3·4	7	+ 1	27	− 16	6	+ 2	1·20	30	+ 15	0·3	−0·6	4	996
2. ENGLAND, N.E.	57	30	48·0	39·3	43·8	+ 5·8	24	+ 17	8	− 28	6	+ 3	1·13	29	+ 19	0·5	−0·6	7	998
3. ENGLAND, EAST ...	58	33	50·3	41·2	46·0	+ 8·5	31	+ 23	2	− 39	5	+ 1	0·55	14	+ 4	1·1	−0·2	14	1005
4. MIDLAND COUNTIES ...	59	32	50·9	40·3	45·8	+ 8·4	34	+ 25	5	− 36	6	+ 2	1·19	30	+ 17	0·9	−0·2	12	1001
5. ENGLAND, S.E.	57	39	51·6	44·5	48·2	+ 8·6	43	+ 30	0	− 30	5	+ 1	1·19	30	+ 17	0·9	−0·5	11	1006
Western.																			
6. SCOTLAND, WEST ...	53	32	46·3	39·2	42·9	+ 3·7	18	+ 9	8	− 21	7	+ 2	2·00	51	+ 22	0·6	−0·3	8	996
7. ENGLAND, N.W.	55	32	49·0	40·1	44·7	+ 5·4	27	+ 17	5	− 24	7	+ 3	1·65	42	+ 25	0·7	−0·2	10	996
8. ENGLAND, S.W.	58	38	52·0	44·0	48·2	+ 6·8	43	+ 26	0	− 21	6	+ 2	1·83	47	+ 23	0·5	−0·8	7	1001
9. IRELAND, NORTH ...	55	33	48·2	39·3	43·9	+ 3·3	25	+ 12	8	− 15	7	+ 3	2·02	51	+ 30	1·2	+0·1	17	991
10. IRELAND, SOUTH ...	56	34	51·2	40·7	46·2	+ 3·7	35	+ 14	4	− 14	7	+ 2	2·87	73	+ 46	1·1	−0·3	14	993
11. ENGLISH CHANNEL ...	57	44	53·6	46·5	50·2	+ 5·2	57	+ 29	0	− 7	5	0	1·15	29	+ 9	1·4	−0·5	17	1003

THE SEASON (**Winter**).—Aggregates, &c., for the Period of 5 Weeks, November 28th 1915, to January 1st, 1916.

0. SCOTLAND, NORTH ...	53	16	41·4	33·3	37·5	*	8	− 38	171	+ 24	30	+ 3	6·78	172	+ 2	0·4	−0·3	7	999
Eastern.																			
1. SCOTLAND, EAST ...	54	8	41·0	31·8	36·5	*	7	− 34	205	+ 18	28	+ 8	5·84	148	+ 64	0·6	−0·4	9	999
2. ENGLAND, N.E.	57	22	44·2	35·0	39·8	*	41	− 8	129	− 17	28	+ 9	5·46	139	+ 76	1·1	−0·2	15	1000
3. ENGLAND EAST ...	58	21	46·9	37·2	42·3	*	87	+ 33	92	− 76	27	+ 8	4·47	113	+ 55	1·0	−0·4	14	1004
4. MIDLAND COUNTIES ...	59	18	46·3	35·1	40·9	*	81	+ 24	123	− 50	28	+ 9	5·59	143	+ 76	0·9	−0·3	12	1002
5. ENGLAND, S.E.	63	17	48·6	39·1	44·0	*	134	+ 50	55	− 64	27	+ 8	7·73	197	+123	1·0	−0·5	13	1005
Western.																			
6. SCOTLAND, WEST ...	53	21	43·3	34·9	39·3	*	26	− 39	128	+ 15	29	+ 6	7·73	197	+ 42	0·9	−0·1	13	999
7. ENGLAND, N.W.	55	23	45·1	36·4	40·9	*	51	− 16	106	− 8	28	+ 7	6·94	177	+ 78	0·9	−0·1	12	999
8. ENGLAND, S.W.	58	22	48·9	39·5	44·4	*	137	+ 32	48	− 36	30	+ 8	9·64	245	+117	1·0	−0·5	13	1002
9. IRELAND, NORTH ...	55	19	45·6	36·3	41·1	*	59	− 14	112	+ 9	30	+ 5	6·28	158	+ 49	1·1	−0·2	15	997
10. IRELAND, SOUTH ...	56	20	48·0	37·5	43·0	*	119	+ 2	73	− 6	28	+ 4	7·01	177	+ 49	1·4	−0·2	19	998
11. ENGLISH CHANNEL ...	57	30	51·6	43·9	47·9	*	218	+ 49	7	− 14	30	+ 5	8·83	225	+112	1·4	−0·5	17	1004

THE YEAR.—Aggregates, &c., for the Period of 52 Weeks, January 3rd 1915, to January 1st, 1916.

0. SCOTLAND, NORTH ...	80	12	51·0	39·7	45·2	*	2014	− 98	849	+ 53	227	−20	43·00	1091	−237	3·2	+0·2	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	80	8	52·2	38·2	45·0	*	2157	−196	1086	+158	201	− 2	33 97	865	+ 85	3·7	+0·1	31	1011
2. ENGLAND, N.E. .. .	85	20	53·8	41·1	47·2	*	2584	− 57	668	− 17	181	− 3	26·65	678	+ 47	4·0	0·0	33	1012
3. ENGLAND, EAST ..	90	18	55·3	42·4	48·6	*	3001	− 46	575	−189	188	+ 9	28·66	730	+134	4·3	0·0	35	1013
4. MIDLAND COUNTIES ...	87	18	55·5	40·4	47·7	*	2837	−125	750	− 48	166	−11	30·04	766	+ 98	3 9	+0·1	32	1013
5. ENGLAND, S.E.	88	15	56·1	43·0	49·3	*	3185	−145	486	− 63	158	−14	34·81	890	+207	4·3	−0·1	36	1013
Western.																			
6. SCOTLAND, WEST ...	78	14	53·3	40·5	46·7	*	2447	−135	751	+148	191	−23	38·50	980	−247	4·0	+0·3	33	1012
7. ENGLAND N.W.	77	14	53·9	41·9	47·7	*	2664	−160	607	+ 60	174	−23	33·55	854	− 31	4·3	+0·5	35	1012
8. ENGLAND, S.W.	79	14	55·3	43·4	49·0	*	3035	−158	456	+ 34	191	− 6	43·03	1094	+111	4·3	0·0	36	1013
9. IRELAND NORTH ...	75	18	53·6	41·9	47·6	*	2601	−103	572	+ 69	224	− 8	35·39	899	− 77	3·6	+0·1	30	1011
10. IRELAND, SOUTH ...	78	20	55·6	43·3	49·2	*	3103	− 49	462	+ 77	220	+12	42·20	1075	+ 54	4·0	0·0	33	1013
11. ENGLISH CHANNEL ...	81	27	56 7	46·8	51·6	*	3646	−146	146	+ 14	186	−26	37·34	944	+116	4·9	−0·3	40	1014

METEOROLOGICAL OFFICE, LONDON : SIR NAPIER SHAW, F.R.S., Director. R. CORLESS, M.A., Acting Superintendent of Statistics, South Kensington, S.W., January 6th, 1916.

(4806—19.) Wt. 160—610. 450. 5/15. D & S. G. 17/37.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1915. FIRST QUARTER (JANUARY, FEBRUARY, MARCH).

Thirty-eighth Year.
VOL. XXXII. [*New Series.*] } APPENDIX I.

A WET QUARTER.

[*Price* 4*d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FIVE YEARS, 1881–1915.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			DISTRICTS 1-5.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND N. WALES.			8. S. WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			DISTRICTS 6-10.			11. ENGLISH CHANNEL.			DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
LUSTRA.* 1881-1885 ..	65	*361*	96	49	*211*	*115*	45	130	102	44	*124*	*102*	45	163	112	43	163	105	45	157	107	58	*335*	*109*	51	224	110	53	246	104	61	239	102	57	302	118	56	269	109	57	208	104	51	2·3	108
1886-1890 ..	66	*368*	98	52	168	92	47	130	102	47	*114*	*94*	45	132	91	44	137	89	47	137	93	53	274	89	50	175	86	49	211	89	56	213	91	50	241	94	52	224	91	57	180	90	49	180	91
1891-1895 ..	64	353	94	48	173	94	49	130	102	48	*112*	*92*	45	124	86	43	135	87	47	135	91	53	267	87	47	170	84	47	206	87	55	198	85	49	216	84	50	211	86	52	180	90	49	173	87
1896-1900 ..	67	371	99	53	170	93	49	137	108	49	*137*	*113*	46	155	107	44	165	107	48	152	103	58	*292*	*95*	53	211	104	54	264	111	61	221	95	53	251	98	59	249	101	58	211	105	52	201	101
1901-1905 ..	69	*419*	*111*	55	193	106	47	117	92	48	*117*	*96*	48	157	109	48	168	108	49	150	102	61	*348*	*113*	56	213	105	54	254	108	67	262	112	60	290	113	60	274	111	61	221	110	51	213	108
1906-1910 ..	69	384	102	52	188	103	47	124	98	49	*127*	*104*	46	145	98	48	155	100	48	145	98	56	323	105	55	226	111	54	234	99	66	267	114	63	244	95	59	259	105	56	196	97	54	203	103
30 years average ..	**67**	**376**	—	**52**	**183**	—	**47**	**127**	—	**47**	**122**	—	**46**	**145**	—	**45**	**155**	—	**47**	**147**	—	**56**	**307**	—	**52**	**203**	—	**52**	**236**	—	**61**	**234**	—	**55**	**257**	—	**55**	**246**	—	**57**	**201**	—	**51**	**198**	—
1911	58	366	97	51	147	81	45	102	80	54	137	113	42	104	72	45	142	92	47	127	87	49	257	83	44	160	79	48	191	81	48	157	67	54	178	69	49	188	76	55	165	82	48	157	80
1912	67	307	82	64	196	107	59	165	130	58	173	142	57	229	158	58	231	149	59	198	134	62	335	109	60	244	120	70	345	146	58	262	112	72	328	128	64	302	123	61	290	144	62	251	127
1913	66	384	102	59	216	118	55	160	126	52	140	115	53	208	144	50	191	123	55	183	124	59	338	110	58	254	125	62	328	139	64	277	118	67	348	136	61	310	126	58	244	121	58	246	125
1914	68	411	110	57	224	122	54	119	93	52	170	140	51	150	103	53	239	154	53	180	122	65	368	120	58	241	119	60	325	138	68	305	131	72	351	136	65	318	129	63	274	137	59	249	126
1915	67	374	99	55	206	113	60	174	137	61	190	156	49	194	134	56	241	155	56	201	139	56	319	104	51	244	121	55	305	129	60	229	98	58	275	107	56	274	111	56	264	131	50	238	125

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

NOTE.—In previous years the values have been for periods of 13 weeks coinciding most nearly with the periods of three months January, February, March, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. In 1914 and 1915 the values refer to the period January 1st to March 31st.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 30 YEARS, 1881–1910.

YEARS.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
		°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
Lustra	1881-1885 ..	*38·2*	*− 0·1*	*38·0*	*+ 0·1*	39·4	+ 0·3	39·8	+ 0·8	39·9	+ 0·8	41·4	+ 1·0	39·7	+ 0·6	*39·9*	*+ 0·1*	43·5	+ 0·5	42·7	+ 1·2	41·3	+ 0·3	43·1	+ 0·5	41·5	+ 0·5	41·9	+ 0·4	40·6	+ 0·5
	1886-1890 ..	*38·2*	*− 0·1*	37·8	− 0·1	38·3	− 0·8	37·4	− 1·6	37·8	− 1·3	38·8	− 1·6	38·0	− 1·1	39·2	− 0·6	38·9	− 1·1	40·2	− 1·3	40·5	− 0·5	41·8	− 0·8	40·1	− 0·9	43·2	− 1·3	39·1	− 1·0
	1891-1895 ..	37·4	− 0·9	36·8	− 1·1	37·9	− 1·2	37·6	− 1·4	37·8	− 1·3	39·0	− 1·4	37·8	− 1·3	38·7	− 1·1	39·1	− 0·9	40·4	− 1·1	40·1	− 0·9	41·7	− 0·9	40·0	− 1·0	43·5	− 1·0	38·9	− 1·2
	1896-1900 ..	38·7	+ 0·4	38·4	+ 0·5	39·9	+ 0·8	40·1	+ 1·1	40·1	+ 1·0	41·8	+ 1·4	40·1	+ 1·0	40·5	+ 0·7	41·1	+ 1·1	42·7	+ 1·2	41·5	+ 0·5	43·3	+ 0·7	41·8	+ 0·8	45·9	+ 1·4	41·0	+ 0·9
	1901-1905 ..	38·8	+ 0·5	38·3	+ 0·4	39·9	+ 0·8	40·1	+ 1·1	39·9	+ 0·8	41·2	+ 0·8	39·9	+ 0·8	40·4	+ 0·6	40·6	+ 0·6	42·2	+ 0·7	41·2	+ 0·2	42·9	+ 0·3	41·4	+ 0·4	45·1	+ 0·6	40·7	+ 0·6
	1906-1910 ..	38·3	0·0	37·8	− 0·1	39·0	− 0·1	39·2	+ 0·2	39·0	− 0·1	40·0	− 0·4	39·0	− 0·1	39·9	+ 0·1	39·8	− 0·2	40·9	− 0·6	41·3	+ 0·3	42·7	+ 0·1	40·9	− 0·1	44·4	− 0·1	40·0	− 0·1
30 years average	..	**38·3**	—	**37·9**	—	**39·1**	—	**39·0**	—	**39·1**	—	**40·4**	—	**39·1**	—	**39·8**	—	**40·0**	—	**41·5**	—	**41·0**	—	**42·6**	—	**41·0**	—	**44·5**	—	**40·1**	—
1911	.. ..	39·8	+ 1·5	38·9	+ 1·0	40·0	+ 0·9	39·9	+ 0·9	39·8	+ 0·7	40·5	+ 0·1	39·8	+ 0·7	40·8	+ 1·0	41·6	+ 1·6	41·2	− 0·3	41·7	+ 0·7	42·6	0·0	41·6	+ 0·6	44·0	− 0·5	40·7	+ 0·6
1912	.. ..	39·7	+ 1·4	39·0	+ 1·1	40·6	+ 1·5	42·2	+ 3·2	41·1	+ 2·0	43·3	+ 2·9	41·2	+ 2·1	40·6	+ 0·8	41·4	+ 1·4	43·4	+ 1·9	42·2	+ 1·2	44·0	+ 1·4	42·3	+ 1·3	46·8	+ 2·3	41·8	+ 1·7
1913	.. ..	39·5	+ 1·2	38·3	+ 0·4	40·0	+ 0·9	41·7	+ 2·7	40·6	+ 1·5	42·7	+ 2·3	40·7	+ 1·6	40·4	+ 0·6	41·2	+ 1·2	42·8	+ 1·3	41·7	+ 0·7	42·8	+ 0·2	41·8	+ 0·8	46·1	+ 1·6	41·3	+ 1·2
1914	.. ..	39·9	+ 1·6	39·0	+ 1·1	41·6	+ 2·5	41·7	+ 2·7	41·5	+ 2·4	42·1	1·7	41·2	+ 2·1	41·1	+ 1·3	42·3	+ 2·3	42·8	+ 1·3	42·1	+ 1·1	43·5	+ 0·9	42·4	+ 1·4	45·2	+ 0·7	41·8	+ 1·7
1915	.. ..	38·5	+ 0·2	37·6	− 0·3	39·6	+ 0·5	40·0	+ 1·0	39·6	+ 0·5	40·?	+ 0·5	39·5	+ 0·4	39·4	− 0·4	40·3	+ 0·3	41·1	− 0·4	40·1	− 0·9	41·4	− 1·2	40·4	− 0·6	44·0	− 0·5	40·0	− 0·1

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1910.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881–1910.

YEARS		0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts 6-10.			11. English Channel.			Districts 1-10 combined.		
		Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th. hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.
Lustra	1881-1885 ..	*·17*	1·9	*94*	*·24*	2·6	*104*	*·22*	2·4	*89*	·25	2·7	97	·22	2·4	99	·25	2·7	97	·24	2·6	97	·19	2·1	93	·19	2·1	86	*·24*	2·6	*94*	·22	2·4	101	·25	2·7	101	·22	2·4	94	·32	3·5	103	·23	2·5	96
	1886-1890 ..	*·16*	1·8	*92*	·21	2·3	93	*·23*	2·5	*94*	·23	2·5	88	·20	2·2	88	·20	2·2	79	·21	2·3	88	·20	2·2	96	·21	2·3	94	*·24*	2·6	*92*	·20	2·2	91	·25	2·7	102	·22	2·4	94	·30	3·3	98	·22	2·4	91
	1891-1895 ..	*·21*	2·3	*117*	*·26*	2·9	*114*	*·29*	3·2	*119*	·29	3·2	112	·27	3·0	118	·30	3·3	117	·28	3·1	116	·24	2·6	117	*·24*	2·6	*109*	*·30*	3·3	*118*	·24	2·6	111	·27	3·0	110	·26	2·9	113	·36	3·9	116	·27	3·0	113
	1896-1900 ..	·18	2·0	100	*·22*	2·4	*98*	·23	2·5	*96*	·25	2·7	96	·22	2·4	95	·24	2·6	96	·23	2·5	96	·20	2·2	98	·22	2·4	99	*·24*	2·6	*94*	·22	2·4	104	·25	2·7	100	·23	2·5	98	·28	3·1	89	·23	2·5	97
	1901-1905 ..	·16	1·8	91	·19	2·1	82	·22	2·4	89	·25	2·7	96	·19	2·1	8	·24	2·6	94	·22	2·4	90	·15	2·1	91	·21	2·3	95	·23	2·5	*90*	·20	2·2	94	·22	2·4	90	·21	2·3	91	·27	3·0	87	·22	2·4	91
	1906-1910 ..	·19	2·1	106	·25	2·7	109	·28	3·1	114	·28	3·1	111	·26	2·9	115	·30	3·3	117	·27	3·0	113	·22	2·4	105	·26	2·9	119	·29	3·2	112	·22	2·4	100	·24	2·6	97	·25	2·7	106	·33	3·6	107	·26	2·9	106
30 years average	..	**·18**	**2·0**	—	**·23**	**2·5**	—	**·24**	**2·6**	—	**·26**	**2·9**	—	**·23**	**2·5**	—	**·25**	**2·7**	—	**·24**	**2·6**	—	**·21**	**2·3**	—	**·22**	**2·4**	—	**·26**	**2·9**	—	**·22**	**2·4**	—	**·25**	**2·7**	—	**23**	**2·5**	—	**·31**	**3·4**	—	**·24**	**2·6**	—
1911	.. ..	·20	2·2	113	·23	2·5	101	·21	2·3	88	·23	2·5	88	·20	2·2	86	·24	2·6	94	·22	2·4	91	·22	2·4	103	·23	2·5	104	·24	2·6	95	·24	2·6	112	·26	2·9	103	·24	2·6	103	·27	3·0	87	·23	2·5	97
1912	.. ..	·20	2·2	109	·19	2·2	85	·19	2·0	76	·18	2·0	70	·17	1·8	73	·19	2·0	73	·18	2·0	75	·18	2·0	88	·19	2·7	87	·20	2·2	76	·20	2·3	91	·23	2·5	94	·22	2·2	87	·24	2·6	77	·20	2·1	81
1913	.. ..	·15	1·6	81	·19	2·1	82	·20	2·2	81	·22	2·5	87	·18	2·0	81	·23	2·6	92	·23	2·3	85	·17	1·8	80	·20	2·2	90	·22	2·4	84	·19	2·1	87	·20	2·2	82	·20	2·1	85	·27	3·0	87	·20	2·2	85
1914	.. ..	·17	1·9	98	·21	2·3	91	·21	2·3	87	·25	2·7	97	·18	2·0	80	·25	2·7	95	·22	2·4	90	·16	1·8	78	·19	2·1	86	·20	2·2	78	·17	1·9	78	·21	2·3	84	·19	2·1	81	·26	2·8	81	·20	2·2	86
1915	.. ..	·15	1·7	89	·20	2·2	88	·22	2·5	91	·24	2·7	95	·22	2·4	97	·23	2·6	91	·22	2·5	92	·24	2·7	117	·24	2·6	107	·24	2·8	98	·22	2·4	101	·27	3·0	109	·24	2·7	106	·27	3·0	89	·23	2·6	99

Meteorological Office, South Kensington, London, S.W.
May 5th, 1915.

W. N. SHAW,
Director.

(5648—19.) Wt. 160—610. 450. 8/15. D & S. G. 17/37.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1915. SECOND QUARTER (APRIL, MAY, JUNE).

Thirty-eighth Year.
VOL. XXXII. [*New Series.*] } APPENDIX I.

A DRY AND SUNNY QUARTER: NORMAL TEMPERATURE.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FIVE YEARS, 1881–1915.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			DISTRICTS 1–5.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND N. WALES.			8. S. WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			DISTRICTS 6–10.			11. ENGLISH CHANNEL.			DISTRICTS 1–10 COMBINED.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
LUSTRA.* (1881–1885 ..	51	*216*	*100*	44	*163*	*102*	43	147	107	39	150	107	41	165	108	38	142	104	41	152	105	47	*213*	*98*	42	178	103	44	183	104	52	183	95	46	196	100	46	191	100	45	142	100	44	173	103
1886–1890 ..	54	*196*	*91*	43	152	94	40	122	89	41	130	93	41	163	107	40	145	106	41	142	98	45	224	102	41	165	96	42	165	94	46	180	93	46	191	97	44	185	97	46	150	105	43	165	98
1891–1895 ..	48	180	84	42	140	87	40	132	96	36	122	87	35	130	86	32	97	70	37	124	86	42	170	78	40	152	88	35	135	77	47	168	87	41	180	92	41	160	84	38	119	84	39	142	85
1896–1900 ..	54	226	105	48	175	110	42	137	100	40	137	98	40	147	97	37	127	93	42	145	100	50	*239*	*109*	45	185	107	41	185	106	55	231	120	47	216	110	48	211	111	42	142	100	45	178	106
1901–1905 ..	54	231	107	48	150	94	40	127	93	39	145	104	40	145	95	39	155	113	41	145	100	46	*218*	*100*	44	150	87	41	185	106	53	180	93	46	183	94	46	183	96	45	157	111	44	163	97
1906–1910 ..	59	246	114	52	183	114	47	155	113	43	157	113	46	170	112	43	163	119	46	165	114	51	246	113	50	201	116	48	203	116	58	221	114	56	211	108	53	218	115	41	142	100	50	191	114
30 years average ..	**53**	**216**	—	**46**	**160**	—	**42**	**137**	—	**40**	**140**	—	**41**	**152**	—	**38**	**137**	—	**41**	**145**	—	**47**	**218**	—	**44**	**173**	—	**42**	**175**	—	**52**	**193**	—	**47**	**196**	—	**46**	**191**	—	**43**	**142**	—	**44**	**168**	—
1911	48	244	113	45	165	103	37	157	115	33	124	89	31	107	70	30	112	81	35	132	91	42	224	102	38	183	106	35	163	93	40	157	82	44	178	91	40	180	95	34	135	95	38	157	94
1912	56	282	131	48	155	97	43	196	143	36	97	69	38	173	113	31	122	89	39	147	102	50	236	108	43	175	101	40	191	109	48	191	99	53	218	112	47	208	107	46	130	91	43	175	105
1913	57	274	127	48	178	111	44	155	113	38	122	87	44	165	108	38	137	100	42	152	105	58	269	123	52	221	123	50	231	132	63	269	139	62	295	151	57	257	135	49	157	111	50	203	121
1914	53	231	107	38	127	79	32	124	91	33	97	69	32	117	77	28	91	67	33	112	77	43	140	64	36	119	69	34	147	84	43	145	75	39	109	56	39	132	69	29	122	86	36	122	73
1915	45	178	82	36	109	68	25	81	59	28	113	81	29	112	74	28	140	102	29	111	77	36	155	71	34	129	75	34	154	88	40	134	69	43	140	71	37	142	75	37	114	80	33	127	76

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An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

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YEARS.	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
Lustra.[a] 1881-1885 ..	*47·6*	*0·0*	*48·3*	*− 0·1*	49·6	0·0	51·4	+ 0·1	51·2	+ 0·1	52·5	+ 0·1	50·6	0·0	*49·5*	*− 0·4*	50·4	− 0·3	51·1	− 0·5	50·2	− 0·1	51·1	− 0·6	50·5	− 0·3	52·4	− 0·7	50·6	− 0·1
1886-1890 ..	*47·7*	*+ 0·1*	48·6	+ 0·2	49·1	− 0·5	51·0	− 0·3	50·9	− 0·2	52·2	− 0·2	50·4	− 0·2	49·7	− 0·2	50·4	− 0·3	51·4	− 0·2	50·3	0·0	51·6	− 0·1	50·7	− 0·1	52·5	− 0·6	50·5	− 0·2
1891-1895 ..	48·2	+ 0·6	48·9	+ 0·3	49·7	+ 0·1	51·5	+ 0·2	51·8	+ 0·7	53·2	+ 0·8	51·6	+ 0·4	50·5	+ 0·6	51·5	+ 0·8	52·5	+ 0·9	51·3	+ 1·0	52·6	+ 0·9	51·7	+ 0·9	54·0	+ 0·9	51·4	+ 0·7
1896-1900 ..	48·0	+ 0·2	48·9	+ 0·5	49·9	+ 0·2	51·5	+ 0·2	51·4	+ 0·3	52·9	+ 0·5	50·9	+ 0·3	50·4	+ 0·5	51·4	+ 0·7	52·4	+ 0·8	50·9	+ 0·6	52·5	+ 0·8	51·5	+ 0·7	53·6	+ 0·5	51·2	+ 0·5
1901-1905 ..	47·4	− 0·2	48·0	− 0·4	49·6	0·0	51·1	− 0·2	50·5	− 0·6	51·8	− 0·6	50·2	− 0·4	49·6	− 0·3	50·5	− 0·2	51·5	− 0·1	49·9	− 0·4	51·5	− 0·2	50·6	− 0·2	53·1	0·0	50·4	− 0·3
1906-1910 ..	46·9	− 0·7	47·6	− 0·8	49·8	+ 0·2	51·3	0·0	50·8	− 0·3	51·7	− 0·7	50·4	− 0·2	49·4	− 0·5	50·1	− 0·6	50·9	− 0·7	49·4	− 0·9	51·1	− 0·6	50·2	− 0·6	52·8	− 0·3	50·3	− 0·4
30 years' average ..	**47·6**	—	**48·4**	—	**49·6**	—	**51·3**	—	**51·1**	—	**52·4**	—	**50·6**	—	**49·9**	—	**50·7**	—	**51·6**	—	**50·3**	—	**51·7**	—	**50·8**	—	**53·1**	—	**50·7**	—
1911	48·7	+ 1·1	49·8	+ 1·4	51·5	+ 1·9	52·9	+ 1·6	52·7	+ 1·6	52·9	+ 0·5	52·0	+ 1·4	51·1	+ 1·2	52·0	+ 1·3	52·6	+ 1·0	50·9	+ 0·6	52·8	+ 1·1	51·9	+ 1·1	53·6	+ 0·5	52·0	+ 1·3
1912	48·0	+ 0·4	49·0	+ 0·6	50·8	+ 1·2	53·1	+ 1·8	52·2	+ 1·1	53·2	+ 0·8	51·7	+ 1·1	50·6	+ 0·7	51·3	+ 0·6	52·3	+ 0·7	50·8	+ 0·5	52·2	+ 0·5	51·4	+ 0·6	54·7	+ 1·6	51·6	+ 0·9
1913	47·7	+ 0·1	48·1	− 0·3	50·3	+ 0·7	52·2	+ 0·9	51·2	+ 0·1	52·3	− 0·1	50·8	+ 0·2	49·5	− 0·4	50·5	− 0·2	51·2	− 0·4	49·1	− 1·2	50·4	− 1·3	50·1	− 0·7	52·3	− 0·8	50·5	− 0·2
1914	48·8	+ 1·2	49·9	+ 1·5	51·7	+ 2·1	52·8	+ 1·5	52·7	+ 1·6	53·6	+ 1·2	52·1	+ 1·5	51·0	+ 1·1	51·7	+ 1·0	53·2	+ 1·6	50·9	+ 0·6	52·9	+ 1·2	51·9	+ 1·1	54·4	+ 1·3	52·0	+ 1·3
1915	47·2	− 0·4	47·8	− 0·6	49·8	+ 0·2	51·4	+ 0·1	51·3	+ 0·2	52·3	− 0·1	50·5	− 0·1	50·1	+ 0·2	50·7	0·0	52·0	+ 0·4	50·3	0·0	52·7	+ 1·0	51·2	+ 0·4	53·2	+ 0·1	50·9	+ 0·2

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1910.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881–1910.

YEARS.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts 6-10.			11. English Channel.			Districts 1-10 combined.		
	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.
Lustra.[a] 1881-1885 ..	*·45*	4·9	*98*	*·50*	5·5	*98*	*·56*	6·1	*105*	·60	6·6	104	·52	5·8	100	·58	6·4	98	·55	6·1	101	·54	5·9	100	·54	6·0	99	*·57*	6·2	*98*	·50	5·5	101	·56	6·1	103	·54	6·0	100	·70	7·7	102	·54	6·0	100
1886-1890 ..	*·41*	4·5	*89*	·51	5·6	100	*·49*	5·4	*92*	·53	5·9	92	·48	5·2	91	·53	5·8	90	·51	5·5	93	·53	5·9	99	·50	5·5	92	*·55*	6·0	*95*	·49	5·4	98	·54	5·9	100	·52	5·7	97	·64	7·0	94	·52	5·7	95
1891-1895 ..	*·51*	5·6	*110*	*·55*	6·0	*108*	*·57*	6·3	*107*	·59	6·4	102	·56	6·2	108	·64	7·0	108	·58	6·4	106	·53	6·1	104	*·55*	6·1	*101*	*·63*	6·9	*108*	·52	5·7	104	·56	6·1	103	·56	6·2	114	·75	8·3	111	·57	6·3	106
1896-1900 ..	*·47*	5·2	*102*	*·50*	5·5	*98*	*·51*	5·6	*96*	·57	6·2	98	·53	5·8	101	·59	6·5	100	·51	5·9	99	·53	5·9	99	·57	6·3	104	*·60*	6·6	*103*	·49	5·4	98	·54	5·9	99	·55	6·0	101	·69	7·5	101	·54	6·0	100
1901-1905 ..	·48	5·3	104	·51	5·6	100	*·56*	6·2	*105*	·59	6·5	102	·52	5·7	99	·59	6·4	100	·55	6·1	101	·55	6·1	102	·59	6·4	107	*·56*	6·2	*97*	·52	5·7	104	·54	5·9	100	·55	6·1	102	·66	7·2	96	·55	6·1	101
1906-1910 ..	·45	4·9	97	·49	5·4	96	·50	5·5	94	·59	6·4	102	·51	5·6	97	·61	6·7	103	·54	5·9	98	·52	5·7	96	·53	5·8	98	·57	6·2	98	·47	5·2	95	·51	5·6	95	·52	5·7	96	·65	7·1	95	·53	5·8	97
30 years' average ..	**·46**	**5·1**	—	**·51**	**5·6**	—	**·53**	**5·9**	—	**·58**	**6·3**	—	**·52**	**5·7**	—	**·59**	**6·5**	—	**·55**	**6·0**	—	**·54**	**5·9**	—	**·55**	**6·0**	—	**·58**	**6·4**	—	**·50**	**5·5**	—	**·54**	**5·9**	—	**·54**	**5·9**	—	**·68**	**7·5**	—	**·55**	**6·0**	—
1911	·48	5·3	105	·55	6·0	108	·55	6·0	103	·62	6·8	102	·53	5·8	101	·64	7·0	108	·58	6·3	105	·59	6·5	109	·59	6·4	107	·63	6·9	109	·56	6·2	113	·56	6·2	104	·59	6·4	108	·70	7·7	103	·58	6·4	107
1912	·40	4·3	86	·42	4·6	82	·48	5·2	90	·62	6·8	107	·50	5·5	96	·64	7·0	109	·53	5·8	97	·48	5·2	89	·51	5·6	93	·53	5·8	91	·42	4·7	85	·50	5·4	93	·49	5·3	90	·69	7·5	101	·51	5·5	94
1913	·39	4·3	84	·46	5·0	90	·47	5·1	87	·52	5·8	91	·46	5·0	89	·54	6·0	92	·49	5·4	90	·41	4·5	76	·43	5·3	88	·48	5·3	83	·41	4·5	82	·46	5·0	85	·44	4·8	81	·53	5·8	78	·46	5·1	85
1914	·42	4·7	92	·57	6·2	111	·62	6·8	116	·69	7·5	120	·62	6·8	120	·71	7·9	122	·64	7·1	118	·54	6·0	101	·59	6·5	108	·65	7·2	112	·50	5·5	101	·59	6·5	109	·57	6·3	106	·68	7·5	100	·61	6·7	112
1915	·52	5·8	114	·57	6·3	112	·60	6·6	112	·63	6·9	109	·58	6·3	111	·61	6·7	104	·60	6·6	109	·61	6·7	112	·64	7·0	116	·55	6·0	95	·54	6·0	109	·50	5·5	93	·57	6·2	105	·56	6·1	82	·59	6·4	107

Meteorological Office, South Kensington, London, S.W.
August 11th, 1915.

NAPIER SHAW,
Director.

(6380—19.) Wt. 160—610. 450. 10/15. D & S. G. 17/87.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1915. THIRD QUARTER (JULY, AUGUST, SEPTEMBER).

Thirty-eighth Year.
VOL. XXXII. [*New Series.*] } APPENDIX I.

WET IN THE EAST: NORMAL TEMPERATURE AND SUNSHINE.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FIVE YEARS, 1881–1915.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			DISTRICTS 1-5.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND N. WALES.			8. S. WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			DISTRICTS 6-10.			11. ENGLISH CHANNEL.			DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
LUSTRA.* 1881-1885 ..	56	*259*	*86*	51	*236*	*111*	46	185	107	45	*178*	*109*	45	191	109	44	163	100	46	191	107	53	*312*	*103*	49	249	104	52	254	110	60	262	102	53	259	105	53	267	104	54	193	107	50	229	105
1886-1890 ..	60	*292*	*97*	51	193	90	46	193	112	45	*175*	*108*	43	173	99	40	175	105	45	183	103	51	277	91	47	236	99	46	231	100	58	262	102	50	231	94	50	246	96	46	180	100	48	216	99
1891-1895 ..	65	361	119	53	236	111	47	185	107	45	*183*	*113*	45	178	101	45	206	103	47	198	111	52	312	103	50	272	114	49	264	114	60	264	103	51	264	107	52	274	107	48	226	124	50	236	108
1896-1900 ..	58	325	108	50	206	96	39	157	91	35	*137*	*84*	36	157	90	33	142	85	39	160	90	55	*310*	*102*	46	239	100	42	206	89	56	254	99	48	257	104	49	254	99	42	160	88	44	208	95
1901-1905 ..	63	305	101	53	203	95	42	168	97	36	*160*	*98*	40	191	109	39	178	106	42	180	101	51	*330*	*108*	49	213	90	46	231	100	61	274	107	52	259	105	52	262	102	49	188	103	47	221	101
1906-1910 ..	59	267	88	49	203	95	43	147	85	40	135	83	41	160	91	37	142	85	42	157	88	49	290	95	48	226	95	43	203	88	54	229	89	52	208	85	49	231	90	38	127	70	45	196	90
30 years average ..	**60**	**302**	—	**51**	**213**	—	**44**	**173**	—	**41**	**163**	—	**42**	**175**	—	**40**	**168**	—	**44**	**178**	—	**52**	**305**	—	**48**	**239**	—	**46**	**231**	—	**58**	**257**	—	**51**	**246**	—	**51**	**257**	—	**46**	**180**	—	**48**	**218**	—
1911	57	295	97	40	107	50	32	119	69	26	79	48	25	91	52	22	69	41	28	94	58	49	203	67	37	198	82	27	135	58	46	183	71	42	216	88	40	185	72	25	122	68	35	140	64
1912	48	251	83	43	224	105	51	234	135	48	272	167	46	254	145	44	196	117	46	236	133	44	244	80	51	272	114	50	315	136	47	241	94	55	259	105	49	267	104	52	297	165	47	251	115
1913	42	132	44	36	117	55	34	104	60	36	119	73	31	114	65	34	142	85	34	119	67	33	145	48	34	157	66	32	137	59	43	155	60	41	157	64	37	150	58	33	114	63	36	135	62
1914	55	254	84	42	175	82	36	157	91	36	109	67	40	168	96	35	140	83	38	150	84	44	239	78	42	241	101	46	272	118	52	211	82	57	287	116	48	249	93	46	226	125	43	201	91
1915	60	238	79	53	275	129	45	208	120	42	206	127	41	212	121	35	199	119	43	220	122	48	195	64	41	206	86	45	221	95	62	235	91	61	271	110	51	226	88	35	184	102	47	223	105

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

NOTE.—Previous to 1914 the values were for periods of 13 weeks coinciding most nearly with the periods of three months January, February, March, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. In 1914 and 1915 the values refer to the period July 1st to September 30th.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 30 YEARS, 1881–1910.

YEARS.	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
Lustra.* 1881–1885 ..	*53·7*	*0·0*	*54·8*	*− 0·1*	56·9	− 0·2	58·5	− 0·4	57·7	− 0·3	59·5	− 0·3	57·5	− 0·2	*55·5*	*− 0·2*	56·8	− 0·5	57·7	− 0·7	55·8	− 0·3	56·8	− 0·8	56·5	− 0·5	59·5	− 1·2	57·0	− 0·4
1886–1890 ..	*52·9*	*− 0·8*	54·5	− 0·4	56·3	− 0·8	58·2	− 0·7	57·4	− 0·6	59·2	− 0·6	57·1	− 0·6	55·0	− 0·7	56·6	− 0·7	57·8	− 0·6	55·7	− 0·4	57·2	− 0·4	56·5	− 0·5	59·8	− 0·9	56·8	− 0·6
1891–1895 ..	53·8	+ 0·1	55·1	+ 0·2	56·9	− 0·2	58·6	− 0·3	57·8	− 0·2	59·8	0·0	57·6	− 0·1	55·7	0·0	57·6	+ 0·3	58·2	− 0·2	56·2	+ 0·1	57·4	− 0·2	57·0	0·0	60·8	+ 0·1	57·3	− 0·1
1896–1900 ..	54·5	+ 0·8	55·7	+ 0·8	57·9	+ 0·8	60·0	+ 1·1	59·1	+ 1·1	61·4	+ 1·6	58·8	+ 1·1	56·5	+ 0·8	58·5	+ 1·2	59·9	+ 1·5	57·0	+ 0·9	58·8	+ 1·2	58·1	+ 1·1	62·4	+ 1·7	58·5	+ 1·1
1901–1905 ..	*53·8*	*+ 0·1*	54·9	0·0	57·5	+ 0·4	59·5	+ 0·6	58·0	0·0	59·9	+ 0·1	58·0	+ 0·3	55·8	+ 0·1	57·5	+ 0·2	58·8	+ 0·4	55·9	− 0·2	57·8	+ 0·2	57·2	+ 0·2	60·9	+ 0·2	57·6	+ 0·2
1906–1910 ..	53·4	− 0·3	54·3	− 0·6	57·1	0·0	58·7	− 0·2	57·7	− 0·3	59·1	− 0·7	57·4	− 0·3	55·8	+ 0·1	56·9	− 0·4	58·1	− 0·3	56·0	− 0·1	57·6	0·0	56·9	− 0·1	60·5	− 0·2	57·2	− 0·2
30 years average ..	**53·7**	—	**54·9**	—	**57·1**	—	**58·9**	—	**58·0**	—	**59·8**	—	**57·7**	—	**55·7**	—	**57·3**	—	**58·3**	—	**56·1**	—	**57·6**	—	**57·0**	—	**60·7**	—	**57·4**	—
1911	55·1	+ 1·4	56·5	+ 1·6	60·2	+ 3·1	63·3	+ 4·4	61·9	+ 3·9	63·7	+ 3·9	61·1	+ 3·4	57·7	+ 2·0	60·3	+ 3·0	62·3	+ 3·9	57·9	+ 1·8	59·9	+ 2·3	59·6	+ 2·6	64·4	+ 3·7	60·4	+ 3·0
1912	52·2	− 1·5	52·5	− 2·4	54·9	− 2·2	57·4	− 1·5	55·5	− 2·5	57·3	− 2·5	55·5	− 2·2	54·2	− 1·5	55·2	− 2·1	56·2	− 2·2	53·4	− 2·7	55·0	− 2·6	54·8	− 2·2	58·1	− 2·6	55·2	− 2·2
1913	54·2	+ 0·5	55·0	+ 0·1	56·9	− 0·2	58·2	− 0·7	58·2	+ 0·2	59·3	− 0·5	57·5	− 0·2	56·0	+ 0·3	57·6	+ 0·3	59·1	+ 0·7	56·0	− 0·1	58·1	+ 0·5	57·4	+ 0·4	60·5	− 0·2	57·5	+ 0·1
1914	54·9	+ 1·2	55·4	+ 0·5	58·4	+ 1·3	60·3	+ 1·4	58·8	+ 0·8	60·4	+ 0·6	58·7	+ 1·0	56·9	+ 1·2	58·5	+ 1·2	59·0	+ 0·6	57·1	+ 1·0	58·6	+ 1·0	58·0	+ 1·0	61·1	+ 0·4	58·4	+ 1·0
1915	54·1	+ 0·4	54·8	− 0·1	57·2	+ 0·1	58·9	0·0	57·4	− 0·6	59·0	− 0·8	57·5	− 0·2	55·9	+ 0·2	57·2	− 0·1	57·9	− 0·5	56·1	0·0	57·8	+ 0·2	57·0	0·0	60·0	− 0·7	57·2	− 0·2

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881–1910.

YEARS.	0. Scotland, N.			1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts 1-5.		
	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.
Lustra.* 1881–1885 ..	*·39*	3·5	*94*	*·41*	4·5	*98*	*·47*	5·1	*97*	·50	5·5	93	·46	5·0	95	·53	5·7	93	·47	5·2	95
1886–1890 ..	*·30*	3·3	*88*	*·41*	4·5	*97*	*·45*	4·8	*93*	·51	5·5	94	·46	5·0	96	·51	5·6	91	·47	5·1	94
1891–1895 ..	*·31*	3·3	*90*	*·41*	4·5	*97*	*·47*	5·1	*98*	·51	5·6	95	·47	5·1	97	·54	5·9	96	·48	5·2	97
1896–1900 ..	*·39*	4·2	*113*	*·47*	5·1	*110*	*·51*	5·5	*106*	·60	6·5	111	·53	5·8	110	·65	7·0	115	·55	6·0	111
1901–1905 ..	·37	4·0	108	·42	4·5	98	*·51*	5·6	*107*	·58	6·3	108	·49	5·3	102	·58	6·3	109	·52	5·6	104
1906–1910 ..	·37	4·0	107	·42	4·5	98	·47	5·1	99	·54	5·8	100	·48	5·2	99	·57	6·2	101	·50	5·4	99
30 years average ..	**·34**	**3·7**	—	**·42**	**4·6**	—	**·48**	**5·2**	—	**·54**	**5·9**	—	**·48**	**5·2**	—	**·56**	**6·1**	—	**·50**	**5·4**	—
1911	·43	4·7	126	·53	5·8	125	·65	7·1	136	·76	8·3	141	·68	7·4	142	·85	9·2	150	·69	7·6	140
1912	·32	3·5	94	·27	2·9	63	·30	3·2	62	·40	4·4	75	·31	3·3	64	·41	4·4	73	·34	3·6	67
1913	·33	3·7	97	·36	4·0	86	·39	4·3	81	·42	4·6	77	·35	3·9	73	·44	4·8	77	·39	4·3	78
1914	·37	4·1	111	·44	4·9	107	·52	5·8	112	·56	6·2	105	·50	5·6	108	·62	6·9	113	·53	5·9	109
1915	·33	3·6	95	·40	4·4	94	·49	5·3	101	·53	5·8	97	·48	5·2	99	·56	6·1	99	·49	5·4	98

YEARS.	6. Scotland, W.			7. England, N.W. and N. Wales.			8. S. Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6-10.			11. English Channel.			Districts 1-10 combined.		
	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.
Lustra.* 1881–1885 ..	·44	4·8	*98*	·44	4·8	95	*·51*	5·5	*97*	·36	4·0	95	·43	4·7	*98*	·44	4·8	*96*	·65	7·0	*99*	·46	5·0	96
1886–1890 ..	·43	4·7	96	·45	4·7	93	*·49*	5·3	*93*	·36	3·9	93	·44	4·8	99	·43	4·7	95	·64	6·9	98	·45	4·9	94
1891–1895 ..	·44	4·8	99	·42	4·6	90	*·49*	5·4	*94*	·37	4·0	96	·41	4·4	92	·43	4·7	94	·64	7·0	98	·46	5·0	96
1896–1900 ..	·45	4·9	100	·51	5·5	108	*·59*	6·4	*112*	·41	4·5	108	·48	5·2	109	·49	5·3	108	·72	7·8	110	·52	5·7	109
1901–1905 ..	·47	5·2	105	·51	5·6	109	*·53*	5·8	*100*	·39	4·3	103	·44	4·8	100	·47	5·1	104	·63	6·9	97	·50	5·4	104
1906–1910 ..	·46	5·0	102	·49	5·3	104	·54	5·9	103	·41	4·5	107	·46	5·0	103	·47	5·1	104	·63	6·8	97	·48	5·2	101
30 years average ..	**·45**	**4·9**	—	**·47**	**5·1**	—	**·53**	**5·7**	—	**·38**	**4·2**	—	**44**	**4·8**	—	**·45**	**4·9**	—	**·65**	**7·1**	—	**·48**	**5·2**	—
1911	·57	6·2	126	·66	7·2	142	·73	7·9	139	·53	5·8	139	·60	6·5	135	·62	6·7	136	·83	9·0	127	·66	7·1	138
1912	·36	4·0	81	·35	3·7	73	·36	3·9	64	·34	3·7	89	·35	3·8	79	·35	3·8	78	·45	4·9	70	·35	3·7	71
1913	·46	5·0	101	·49	5·4	105	·49	5·4	93	·41	4·6	108	·44	4·9	100	·46	5·0	101	·56	6·2	88	·43	4·7	89
1914	·54	6·0	118	·56	6·1	107	·43	4·8	114	·43	4·8	100	·49	5·4	109	·50	5·5	109	·60	6·7	94	·51	5·7	109
1915	·49	5·3	103	·55	6·0	104	·37	4·0	96	·47	5·1	104	·47	5·1	102	·71	7·7	108	·48	5·2	100			

Meteorological Office, South Kensington, London, S.W.
28*th October*, 1915.

NAPIER SHAW,
Director.

(7247—19.) Wt. 160—610. 450. 2/16. D & S. G. 17/37.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1915. FOURTH QUARTER (OCTOBER, NOVEMBER, DECEMBER).

Thirty-eighth Year. Vol. XXXII. [*New Series.*] } APPENDIX I.

WET, EXCEPT IN EXTREME NORTH AND WEST. COLD AND SUNNY, NOVEMBER, OTHERWISE MILD AND DULL.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FIVE YEARS, 1881–1915.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			DISTRICTS 1-5.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND N. WALES.			8. S. WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			DISTRICTS 6-10.			11. ENGLISH CHANNEL.			DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amcunt.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
LUSTRA.* 1881-1885 ..	68	*411*	*96*	54	*236*	*191*	55	185	97	59	*211*	*120*	55	218	109	52	226	98	55	216	105	58	*368*	*96*	56	279	99	62	348	101	64	300	104	61	300	95	60	320	99	67	315	103	58	269	102
1886-1890 ..	71	*423*	*99*	57	226	97	53	185	97	51	*155*	*88*	50	183	91	52	224	97	53	196	95	58	389	101	59	272	96	62	345	101	64	307	106	59	320	102	60	325	101	69	302	99	57	262	99
1891-1895 ..	67	442	104	53	224	96	54	183	96	53	*196*	*112*	53	211	105	54	267	115	54	216	105	59	404	105	58	297	105	59	371	108	64	287	99	58	335	106	60	338	105	64	312	103	57	277	105
1896-1900 ..	69	488	114	57	259	111	53	206	108	49	*150*	*86*	49	191	95	47	208	90	51	203	96	61	*391*	*102*	54	282	100	57	343	100	63	300	103	58	366	116	59	335	104	61	287	94	55	269	102
1901-1905 ..	69	*401*	*94*	57	213	91	48	188	99	47	*145*	*83*	47	168	84	47	198	86	49	183	89	60	*373*	*97*	53	262	93	53	279	82	66	279	96	57	262	83	58	292	91	64	269	88	54	239	90
1906-1910 ..	70	389	91	57	249	107	54	193	101	54	201	114	56	231	115	54	267	115	55	229	111	60	371	97	61	297	105	64	363	106	66	269	93	69	300	95	64	320	99	65	335	110	60	274	104
30 years average ..	**69**	**427**	—	**56**	**234**	—	**53**	**191**	—	**53**	**175**	—	**51**	**201**	—	**51**	**231**	—	**53**	**206**	—	**59**	**384**	—	**57**	**282**	—	**60**	**343**	—	**65**	**290**	—	**60**	**315**	—	**60**	**323**	—	**65**	**305**	—	**57**	**264**	—
1911	64	399	93	64	330	141	66	221	116	62	246	141	64	257	128	62	391	169	63	290	141	61	442	115	63	335	119	69	445	130	61	353	122	72	434	138	65	401	124	72	442	145	64	345	131
1912	79	561	132	61	279	120	54	196	103	57	213	122	48	224	111	53	277	120	55	239	116	67	389	101	60	315	112	58	373	109	65	300	104	69	269	85	64	330	102	67	338	111	60	284	108
1913	71	521	122	52	170	73	47	140	73	50	155	88	50	183	91	47	218	94	50	173	84	67	343	90	59	244	87	60	312	91	65	300	104	67	325	103	63	305	95	63	302	99	56	239	90
1914	64	437	103	60	290	123	61	224	117	62	267	152	54	287	142	58	363	157	59	287	138	56	363	95	56	318	113	60	404	118	58	300	104	60	378	120	58	353	109	61	381	125	59	320	123
1915	59	284	66	56	271	116	54	215	113	53	224	128	47	249	124	47	324	140	51	257	125	51	332	86	48	268	95	54	423	123	60	294	101	60	388	123	55	341	106	60	387	127	53	299	115

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

NOTE.—Previous to 1914 the values were for periods of 13 weeks coinciding most nearly with the periods of three months January, February, March, etc. In the years 1880, 1886, 1890, 1896, 1902, 1908, 1913, the values for the fourth quarter refer to a period of 14 weeks. In 1914 and 1915 the values refer to the period October 1st to December 31st.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 30 YEARS, 1881-1910.

YEARS.	Eastern Districts.														Western Districts.															
	0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts 1-5.		6. Scotland, W.		7. England, N.W. and N. Wales.		8. S. Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 combined.	
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
Lustra.* 1881-1885 ..	*41·6*	*− 0·8*	*41·2*	*− 0·6*	43·4	− 0·2	43·4	− 0·6	43·0	− 0·2	45·1	− 0·5	43·2	− 0·4	*43·2*	*− 0·7*	44·1	− 0·5	46·5	+ 0·3	43·9	− 0·7	45·6	− 0·5	44·7	− 0·4	49·1	− 0·7	44·0	− 0·4
1886-1890 ..	*42·3*	*− 0·1*	41·6	− 0·2	42·6	− 1·0	42·3	− 1·7	42·1	− 1·1	44·1	− 1·5	42·6	− 1·0	43·4	− 0·5	43·6	− 1·0	45·2	− 1·0	44·2	− 0·4	45·5	− 0·6	44·4	− 0·7	48·7	− 1·1	43·5	− 0·9
1891-1895 ..	41·9	− 0·5	41·0	− 0·8	43·0	− 0·6	43·7	− 0·3	42·9	− 0·3	45·6	0·0	43·2	− 0·4	43·5	− 0·4	44·4	− 0·2	46·2	0·0	43·8	− 0·8	45·5	− 0·6	44·7	− 0·4	49·8	0·0	44·0	− 0·4
1896-1900 ..	43·2	+ 0·8	42·7	+ 0·9	44·8	+ 1·2	44·9	+ 0·9	44·1	+ 0·9	46·9	+ 1·3	44·7	+ 1·1	44·9	+ 1·0	45·8	+ 1·2	47·2	+ 1·0	45·4	+ 0·8	47·1	+ 1·0	46·1	+ 1·0	51·0	+ 1·2	45·4	+ 1·0
1901-1905 ..	*42·4*	*0·0*	41·7	− 0·1	43·4	− 0·2	43·7	− 0·3	42·7	− 0·5	45·0	− 0·6	43·3	− 0·3	43·8	− 0·1	44·2	− 0·4	45·5	− 0·7	44·7	+ 0·1	46·0	− 0·1	44·8	− 0·3	49·5	− 0·3	44·1	− 0·3
1906-1910 ..	43·1	+ 0·7	42·7	+ 0·9	44·5	+ 0·9	45·7	+ 1·7	44·5	+ 1·3	46·6	+ 1·0	44·8	+ 1·2	44·3	+ 0·4	45·2	+ 0·6	46·8	+ 0·6	45·5	+ 0·9	46·6	+ 0·5	45·7	+ 0·6	50·5	+ 0·7	45·3	− 0·9
30 years average ..	**42·4**	—	**41·8**	—	**43·6**	—	**44·0**	—	**43·2**	—	**45·6**	—	**43·6**	—	**43·9**	—	**44·6**	—	**46·2**	—	**44·6**	—	**46·1**	—	**45·1**	—	**49·8**	—	**44·4**	—
1911	42·3	− 0·1	41·6	− 0·2	44·3	+ 0·7	45·6	+ 1·6	44·4	+ 1·2	46·7	+ 1·1	44·5	+ 0·9	43·8	− 0·1	45·3	+ 0·7	47·0	+ 0·8	45·0	+ 0·4	46·0	+ 0·1	45·4	+ 0·3	50·2	+ 0·4	45·0	+ 0·6
1912	42·5	+ 0·1	42·1	+ 0·3	44·2	+ 0·6	45·3	+ 1·3	44·4	+ 1·2	46·1	+ 0·5	44·4	+ 0·8	44·3	+ 0·4	45·6	+ 1·0	46·8	+ 0·6	45·7	+ 1·1	47·1	− 1·0	45·9	+ 0·8	50·1	+ 0·3	45·2	+ 0·8
1913	44·7	+ 2·3	44·0	+ 2·2	45·9	+ 2·3	47·1	+ 3·1	46·1	+ 2·9	48·3	+ 2·7	46·3	+ 2·7	46·0	+ 2·1	47·3	+ 2·7	48·4	+ 2·2	46·9	+ 2·3	47·5	+ 1·4	47·2	+ 2·1	51·5	+ 1·7	46·8	+ 2·4
1914	42·8	+ 0·4	42·0	+ 0·2	44·9	+ 1·3	45·8	+ 1·8	41·6	+ 1·4	46·8	+ 1·2	44·8	+ 1·2	44·3	+ 0·4	45·2	+ 0·6	46·5	+ 0·3	44·8	+ 0·2	45·8	− 0·3	45·3	+ 0·2	50·0	+ 0·2	45·1	+ 0·7
1915	40·5	− 1·9	39·4	− 2·4	42·1	− 1·5	43·9	− 0·1	42·1	− 1·1	44·7	− 0·9	42·4	− 1·2	41·5	− 2·4	42·5	− 2·1	44·8	− 1·4	43·5	− 1·1	44·8	− 1·3	43·4	− 1·7	48·8	− 1·0	42·9	− 1·5

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881-1910.

YEARS.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.
Lustra.* 1881-1885 ..	*·14*	1·5	% *100*	*·18*	2·0	% *106*	*·18*	1·9	% *93*	·19	2·1	% 90	·18	1·9	% 98	·19	2·1	% 90	·18	2·0	% 96	·16	1·8	% 100	·15	1·6	% 87	*·19*	2·1	% *91*	·18	2·0	% 96	·21	2·3	% 99	·18	1·9	% 94	·23	2·5	% 85	·18	2·0	% 95
1886-1890 ..	*·12*	1·3	*84*	*·15*	1·6	*87*	*·19*	2·1	*100*	·21	2·3	102	·18	2·0	101	·20	2·2	95	·19	2·1	98	·15	1·7	96	·15	1·7	89	*·20*	2·2	*97*	·17	1·8	87	·20	2·2	95	·17	1·9	92	·27	2·9	103	·18	2·9	95
1891-1895 ..	*·13*	1·4	*90*	*·18*	2·0	*108*	*·20*	2·1	*103*	·20	2·2	97	·19	2·1	106	·22	2·4	106	·20	2·2	105	·18	1·9	110	*·16*	1·8	*97*	*·22*	2·4	*104*	·21	2·2	108	·23	2·6	111	·20	2·2	103	·27	2·9	103	·20	2·2	105
1896-1900 ..	*·14*	1·1	*99*	*·16*	1·8	*95*	*·18*	2·0	*97*	·23	2·5	110	·19	2·0	103	·24	2·6	113	·20	2·2	105	·16	1·8	100	·18	2·0	108	*·22*	2·4	*104*	·19	2·0	98	·23	2·5	110	·20	2·1	103	·26	2·8	99	·20	2·2	105
1901-1905 ..	·14	1·5	97	·17	1·9	102	*·19*	2·1	*103*	·21	2·3	100	·17	1·8	93	·20	2·2	97	·19	2·1	101	·16	1·8	101	·18	2·0	108	*·20*	2·2	*97*	·18	2·0	94	·20	2·2	95	·18	2·0	97	·24	2·6	93	·19	2·1	99
1906-1910 ..	·14	1·6	103	·19	2·0	111	·20	2·1	103	·21	2·3	100	·18	2·0	101	·23	2·5	110	·20	2·2	105	·16	1·7	99	·20	2·2	116	·22	2·4	107	·19	2·1	102	·20	2·2	97	·19	2·1	103	·26	2·9	102	·20	2·2	105
30 years average ..	**·14**	**1·5**	—	**·17**	**1·9**	—	**·19**	**2·1**	—	**·21**	**2·3**	—	**·18**	**2·0**	—	**·21**	**2·3**	—	**·19**	**2·1**	—	**·16**	**1·8**	—	**·17**	**1·9**	—	**·21**	**2·3**	—	**·19**	**2·0**	—	**·21**	**2·3**	—	**·19**	**2·0**	—	**·26**	**2·8**	—	**·19**	**2·1**	—
1911	·14	1·5	101	·17	1·8	99	·19	2·0	98	·20	2·2	95	·19	2·1	104	·21	2·3	101	·19	2·1	101	·17	1·8	106	·20	2·1	115	·23	2·5	111	·19	2·0	98	·21	2·3	99	·20	2·2	105	·23	2·5	88	·20	2·1	103
1912	·11	1·2	79	·17	1·8	99	·18	1·9	93	·20	2·2	97	·18	2·0	101	·24	2·6	112	·19	2·1	102	·14	1·5	89	·18	2·0	106	·22	2·4	104	·17	1·8	87	·22	2·4	106	·19	2·0	98	·27	2·9	105	·19	2·1	100
1913	·15	1·5	110	·21	2·1	121	·23	2·3	119	·27	2·7	127	·20	2·0	111	·26	2·6	120	·23	2·4	120	·18	1·8	110	·20	2·0	113	·23	2·3	110	·19	2·0	105	·21	2·1	97	·20	2·1	107	·27	2·8	107	·22	2·2	114
1914	·12	1·3	87	·16	1·9	100	·17	1·9	90	·18	2·0	87	·16	1·8	90	·21	2·3	100	·18	2·0	93	·14	1·6	89	·17	1·9	100	·21	2·4	104	·17	1·9	95	·22	2·5	109	·18	2·1	100	·24	2·7	96	·18	2·0	96
915	·16	1·8	121	·17	1·9	102	·17	1·9	89	·18	2·0	86	·14	1·6	81	·19	2·1	87	·17	1·9	89	·16	1·8	103	·20	2·2	116	·22	2·4	104	·18	2·0	100	·22	2·4	104	·20	2·2	105	·23	2·5	89	·18	2·0	97

Meteorological Office, South Kensington, London, S.W.
24th February, 1916.

NAPIER SHAW,
Director.

(7328—19.) Wt. 160—610. 450. 2/16. D & S. G. 17/87.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1915. VALUES FOR THE WHOLE YEAR.

Thirty-eighth Year.
VOL. XXXII. [*New Series.*] } APPENDIX I.

RATHER COOL, DRY IN NORTH AND WEST, OTHERWISE WET.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-FIVE YEARS, 1881–1915.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 30 YEARS, 1881–1910.

YEARS.		**0.** SCOTLAND, N.			**Eastern Districts.**															**Western Districts.**														**11.** ENGLISH CHANNEL.			DISTRICTS **1-10** COMBINED.		
					1. SCOTLAND, E.			**2.** ENGLAND, N.E.			**3.** ENGLAND, E.			**4.** MIDLAND COUNTIES.			**5.** ENGLAND, S.E.			DISTRICTS **1-5.**			**6.** SCOTLAND, W.			**7.** ENGLAND, N.W. AND NORTH WALES.			**8.** SOUTH WALES AND ENGLAND, S.W.			**9.** IRELAND, N.			**10.** IRELAND, S.			DISTRICTS **6-10.**								
		Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
			mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
LUSTRA.*	1881-1885 ..	241	*125·0*	*95*	198	*84·6*	*107*	188	64·8	103	187	*66·0*	*110*	188	73·7	109	177	69·6	101	187	71·6	106	216	*128·5*	*105*	198	93·0	104	211	103·4	105	236	98·0	101	217	105·9	104	216	105·7	104	222	85·9	104	202	88·6	104
	1886-1890 ..	251	*127·8*	*97*	203	73·7	93	187	63·2	101	184	*57·4*	*96*	176	65·0	97	177	68·1	99	185	65·5	97	207	116·3	95	197	84·6	94	200	95·0	96	223	96·3	99	204	98·3	97	206	98·0	96	217	81·3	99	196	81·8	96
	1891-1895 ..	244	133·9	101	196	77·2	98	190	63·0	100	184	*61·0*	*102*	178	64·0	95	174	70·1	101	184	67·1	99	206	115·6	94	196	89·2	91	191	97·5	99	225	91·9	94	200	99·3	98	204	98·8	97	200	83·8	102	194	83·1	98
	1896-1900 ..	248	141·7	107	209	81·0	103	183	63·5	101	173	*55·9*	*93*	172	65·3	97	161	64·3	93	180	66·0	98	225	*124·5*	*101*	198	91·7	102	194	99·6	101	235	100·6	103	206	109·2	108	212	104·9	103	201	80·0	97	196	85·6	101
	1901-1905 ..	255	135·6	103	213	75·9	96	177	59·7	95	170	*56·9*	*95*	175	66·0	98	174	69·9	101	182	65·8	98	218	*127·8*	*104*	202	83·8	94	194	95·0	96	247	99·6	102	215	99·1	98	215	100·8	99	219	83·6	102	199	83·3	98
	1906-1910 ..	257	128·5	97	210	82·0	104	192	62·0	99	186	*61·7*	*103*	189	69·9	104	182	72·6	105	192	69·6	103	217	122·9	100	213	95·3	106	208	100·6	102	244	98·8	102	240	96·3	95	224	102·9	101	201	80·0	97	208	86·4	102
30 years average	..	**249**	**132·1**	—	**205**	**79·0**	—	**186**	**62·7**	—	**181**	**59·9**	—	**180**	**67·3**	—	**174**	**69·1**	—	**185**	**67·6**	—	**214**	**122·7**	—	**201**	**89·7**	—	**200**	**98·6**	—	**235**	**97·5**	—	**213**	**101·3**	—	**213**	**101·9**	—	**211**	**82·3**	—	**199**	**84·8**	—
	1911	227	130·3	99	200	74·7	95	180	59·9	96	175	58·7	98	162	55·9	83	159	71·4	103	175	64·0	95	201	112·5	92	182	87·1	97	179	93·5	95	195	85·1	87	212	100·3	99	194	95·8	94	186	85·9	104	185	80·9	94
	1912	250	140·2	106	216	85·3	108	207	79·0	126	199	75·4	126	189	87·9	121	194	83·1	120	200	82·3	122	223	120·1	98	214	100·6	112	218	122·4	124	240	100·8	103	249	107·7	110	229	110·2	108	226	105·2	128	214	96·3	114
	1913	236	131·1	100	195	68·1	86	180	55·9	90	176	53·6	90	178	67·1	100	166	68·8	100	180	62·7	93	217	109·5	89	203	87·6	98	204	100·8	102	235	100·1	102	237	112·5	111	219	103·1	100	203	81·8	100	200	82·3	97
	1914	240	133·4	101	197	81·5	103	183	62·5	100	183	64·3	107	177	72·1	107	174	83·3	121	183	72·9	108	208	111·0	90	192	91·9	103	200	114·8	116	221	96·0	98	228	112·5	111	210	105·2	103	199	100·3	122	197	89·2	105
	1915	231	107·4	81	199	86·0	109	186	67·9	108	185	73·6	122	164	75·3	112	159	90·4	131	178	78·6	116	191	100·2	82	174	84·6	94	189	110·2	112	221	89·2	91	221	107·4	106	199	98·3	96	188	94·9	115	189	88·5	106

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 30 years average in each district is shown in clarendon type.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 30 YEARS, 1881–1910.

	Years.	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Districts, 1-5.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Districts, 6-10.		11. English Channel.		Districts 1-10 Combined.	
		°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
Lustra.	1881–1885 ..	*45·3*	*− 0·2*	*45·6*	*− 0·1*	47·3	− 0·1	48·3	0·0	48·0	+ 0·1	49·6	+ 0·1	47·8	0·0	*47·1*	*− 0·2*	48·0	− 0·2	49·5	+ 0·1	47·8	− 0·2	49·2	− 0·3	48·3	− 0·2	51·4	− 0·5	48·1	− 0·1
	1886–1890 ..	*45·2*	*− 0·3*	45·6	− 0·1	46·6	− 0·8	47·2	− 1·1	47·1	− 0·8	48·6	− 0·9	47·0	− 0·8	46·9	− 0·4	47·4	− 0·8	48·7	− 0·7	47·7	− 0·3	49·1	− 0·4	48·0	− 0·5	51·0	− 0·9	47·5	− 0·7
	1891–1895 ..	45·3	− 0·2	45·4	− 0·3	46·9	− 0·5	47·9	− 0·4	47·7	− 0·2	49·4	− 0·1	47·5	− 0·3	47·1	− 0·2	48·2	0·0	49·3	− 0·1	47·9	− 0·1	49·3	− 0·2	48·4	− 0·1	52·0	+ 0·1	48·0	− 0·2
	1896–1900 ..	46·1	+ 0·6	46·4	+ 0·7	48·1	+ 0·7	49·1	+ 0·8	48·8	+ 0·9	50·8	+ 1·3	48·6	+ 0·8	48·1	+ 0·8	49·2	+ 1·0	50·6	+ 1·2	48·7	+ 0·7	50·4	+ 0·9	49·4	+ 0·9	53·3	+ 1·4	49·0	+ 0·8
	1901–1905 ..	*45·6*	*+ 0·1*	45·7	0·0	47·6	+ 0·2	48·7	+ 0·4	47·9	0·0	49·5	0·0	47·9	+ 0·1	47·3	0·0	48·2	0·0	49·5	+ 1·1	48·0	0·0	49·6	+ 0·1	48·5	0·0	51·9	0·0	48·2	0·0
	1906–1910 ..	45·5	0·0	45·7	0·0	47·6	+ 0·2	48·7	+ 0·4	48·0	+ 0·1	49·3	− 0·2	47·9	+ 0·1	47·4	− 0·1	48·0	− 0·2	49·1	− 0·3	48·1	+ 0·1	49·6	+ 0·1	48·4	− 0·1	52·0	+ 0·1	48·2	0·0
30 years average	..	**45·5**	—	**45·7**	—	**47·4**	—	**48·3**	—	**47·9**	—	**49·5**	—	**47·8**	—	**47·3**	—	**48·2**	—	**49·4**	—	**48·0**	—	**49·5**	—	**48·5**	—	**51·9**	—	**48·2**	—
	1911	46·5	+ 1·0	46·7	+ 1·0	49·0	+ 1·6	50·4	+ 2·1	49·7	+ 1·8	51·0	+ 1·5	48·9	+ 1·1	48·4	+ 1·1	49·8	+ 1·6	50·8	+ 1·4	48·9	+ 0·9	50·3	+ 0·8	49·6	+ 1·1	53·1	+ 1·2	49·3	+ 1·1
	1912	45·6	+ 0·1	45·7	0·0	47·6	+ 0·2	49·5	+ 1·2	48·3	+ 0·4	50·0	+ 0·5	48·2	+ 0·4	47·4	+ 0·1	48·4	+ 0·2	49·7	+ 0·3	48·0	0·0	49·6	+ 0·1	48·6	+ 0·1	52·4	+ 0·5	48·4	+ 0·2
	1913	46·5	+ 1·0	46·4	+ 0·7	48·3	+ 0·9	49·8	+ 1·5	49·0	+ 1·1	50·7	+ 1·2	48·8	+ 1·0	48·0	+ 0·7	49·2	+ 1·0	50·4	+ 1·0	48·4	+ 0·4	49·7	+ 0·2	49·1	+ 0·6	52·6	+ 0·7	49·0	+ 0·8
	1914	46·6	+ 1·1	46·6	+ 0·9	49·2	+ 1·8	50·1	+ 1·8	49·4	+ 1·5	50·7	+ 1·2	49·2	+ 1·4	48·3	+ 1·0	49·4	+ 1·2	50·4	+ 1·0	48·7	+ 0·7	50·2	+ 0·7	49·4	+ 0·9	52·7	+ 0·8	49·3	+ 1·1
	1915	45·2	− 0·3	44·8	− 0·9	47·2	− 0·2	48·6	+ 0·3	47·6	− 0·3	49·3	− 0·2	47·5	− 0·3	46·7	− 0·6	47·7	− 0·5	49·0	− 0·4	47·5	− 0·5	49·1	− 0·4	48·0	− 0·5	51·6	− 0·3	47·8	− 0·4

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, AND DAILY MEANS, WITH PERCENTAGES OF AVERAGE FOR 30 YEARS, 1881–1910.

	Years.	0. Scotland, N.			Eastern Districts. 1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Districts, 1-5.			Western Districts. 6. Scotland, W.			7. England, N.W. and North Wales.			8. South Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Districts, 6-10.			11. English Channel.			Districts 1-10 Combined.		
		Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.	Th.-hrs.	Daily Mean.	Per cent. of av.
Lustra.	1881–1885 ..	*1·08*	3·0	*97*	*1·33*	3·6	*100*	*1·41*	3·8	*98*	1·54	4·2	97	1·39	3·8	99	*1·54*	4·2	*95*	1·44	3·9	97	1·33	3·6	98	1·32	3·6	94	*1·51*	4·1	*96*	1·26	3·5	98	1·45	4·0	101	1·37	3·8	98	1·89	5·2	100	1·41	3·8	97
	1886–1890 ..	*0·99*	2·7	*89*	*1·28*	3·5	*97*	*1·35*	3·7	*94*	1·48	4·1	94	1·32	3·6	91	1·45	4·0	90	1·38	3·8	93	1·32	3·6	97	1·29	3·5	91	*1·48*	4·0	*94*	1·20	3·3	94	1·43	3·9	99	1·34	3·7	95	1·84	5·0	97	1·36	3·7	94
	1891–1895 ..	*1·15*	3·1	*103*	*1·40*	3·9	*106*	*1·52*	4·2	*106*	1·59	4·4	101	1·49	4·1	106	1·70	4·6	105	1·54	4·2	104	1·42	3·9	104	*1·38*	3·8	*98*	*1·64*	4·5	*104*	1·33	3·6	104	1·47	4·0	102	1·45	4·0	103	2·02	5·5	107	1·50	4·1	103
	1896–1900 ..	*1·17*	3·2	*106*	*1·35*	3·7	*102*	*1·44*	3·9	*100*	1·64	4·5	104	1·46	4·0	104	1·71	4·7	106	1·52	4·2	103	1·34	3·7	99	1·48	4·0	105	*1·65*	4·5	*105*	1·31	3·6	102	1·49	4·1	103	1·45	4·0	103	1·94	5·3	103	1·49	4·0	103
	1901–1905 ..	1·15	3·1	103	1·28	3·5	96	*1·49*	4·1	*103*	1·63	4·4	103	1·37	3·7	97	*1·60*	4·4	*99*	1·47	4·0	100	1·38	3·8	101	1·49	4·0	106	*1·52*	4·2	*97*	1·29	3·5	101	1·40	3·8	97	1·42	3·9	101	1·80	4·9	95	1·45	4·0	100
	1906–1910 ..	1·14	3·1	103	1·34	3·7	101	1·45	4·0	101	1·61	4·4	102	1·43	3·9	101	1·70	4·7	105	1·51	4·1	102	1·36	3·7	100	1·47	4·0	104	1·62	4·4	103	1·29	3·5	101	1·42	3·9	99	1·43	3·9	101	1·87	5·1	99	1·47	3·9	101
30 years average	..	**1·11**	**3 0**	—	**1·33**	**3·6**	—	**1·44**	**4·0**	—	**1·58**	**4·3**	—	**1·41**	**3·8**	—	**1·62**	**4·4**	—	**1·48**	**4·0**	—	**1·36**	**3·7**	—	**1·41**	**3·8**	—	**1·57**	**4·3**	—	**1·28**	**3·5**	—	**1·44**	**4·0**	—	**1·41**	**3·9**	—	**1·89**	**5·2**	—	**1·45**	**4·0**	—
	1911	1·26	3·4	113	1·48	4·0	111	1·60	4·4	111	1·80	4·9	114	1·59	4·3	113	1·93	5·3	119	1·68	4·6	114	1·54	4·2	113	1·68	4·6	119	1·84	5·0	117	1·52	4·2	119	1·63	4·4	113	1·64	4·5	116	2·03	5·5	107	1·66	4·5	115
	1912	1·01	2·8	91	1·02	2·9	77	1·12	3·1	78	1·38	3·8	87	1·13	3·2	80	1·44	4·2	89	1·23	3·4	82	1·15	3·2	85	1·21	3·3	91	1·26	3·5	80	1·11	3·1	87	1·26	3·5	88	1·20	3·3	85	1·61	4·5	85	1·21	3·3	83
	1913	1·02	2·8	91	1·22	3·3	91	1·29	3·5	88	1·43	3·9	91	1·19	3·2	85	1·47	4·0	91	1·32	3·6	91	1·22	3·3	89	1·32	3·7	94	1·42	3·9	90	1·20	3·3	94	1·31	3·6	91	1·29	3·5	92	1·63	4·5	87	1·31	3·6	92
	1914	1·08	3·0	100	1·38	3·8	106	1·52	4·2	105	1·68	4·6	107	1·46	4·1	108	1·80	4·9	111	1·57	4·3	107	1·31	3·7	100	1·49	4·1	108	1·62	4·5	105	1·27	3·5	100	1·45	4·0	100	1·43	4·0	103	1·78	4·9	94	1·50	4·2	105
	1915	1·16	3·2	105	1·34	3·7	101	1·48	4·0	102	1·58	4·3	98	1·42	3·9	100	1·59	4·4	98	1·48	4·0	100	1·47	4·0	109	1·57	4·3	111	1·56	4·3	100	1·31	3·6	103	1·46	4·0	102	1·48	4·1	105	1·77	4·9	93	1·48	4·0	102

Meteorological Office, South Kensington, London, S.W.
24th February, 1916.

NAPIER SHAW,
Director.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1915.

Thirty-eighth Year.
VOL. XXXII. [*New Series.*] } APPENDIX II.] { RAIN-DAYS, RAINFALL, ACCUMULATED TEMPERATURE AND SUNSHINE. [*Price* 1*s.*

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAIN-DAYS IN EACH DISTRICT DURING THE YEAR 1915.

1915.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.
	NUMBERS OF RAIN-DAYS—1915.																														
	1915.																														
1	Jan. 3-9 -	5	5	5	5	6	6	7	7	6	6	6	6	6	6	6	6	5	5	6	6	6	6	6	6	6	6	7	7	6	6
2	10-16 -	7	12	6	11	5	11	6	13	5	11	5	11	6	12	6	12	5	10	6	12	7	13	6	12	6	12	7	14	6	12
3	17-23 -	5	17	3	14	5	16	6	19	4	15	4	15	4	16	3	15	3	13	5	17	5	18	5	17	4	16	6	20	4	16
4	Jan. 24-30 -	3	20	2	16	4	20	3	22	1	16	2	17	2	18	2	17	1	14	2	19	2	20	4	21	2	18	2	22	2	18
5	Jan. 31-Feb. 6	6	26	4	20	5	25	5	27	5	21	5	22	5	23	7	24	7	21	7	26	6	26	7	28	7	25	6	28	6	24
6	Feb. 7-13 -	6	32	7	27	5	30	5	32	5	26	6	28	6	29	6	30	4	25	6	32	5	31	7	35	6	31	7	35	6	30
7	14-20 -	5	37	5	32	5	35	6	38	5	31	5	33	5	34	5	35	5	30	5	37	5	36	6	41	5	36	6	41	5	35
8	Feb. 21-27 -	6	43	4	36	4	39	5	43	4	35	3	36	4	38	5	40	4	34	5	42	5	41	4	45	5	41	4	45	5	40
	Winter Totals	69		58		65		71		61		65		64		66		62		72		70		76		69		77		67	
9	Feb. 28-Mar. 6	7	50	6	42	5	44	5	48	4	39	4	40	5	43	6	46	6	40	5	47	6	47	5	50	6	47	4	49	6	46
10	Mar. 7-13 -	4	54	2	44	3	47	3	51	2	41	3	43	3	46	1	47	2	42	2	49	4	51	3	53	2	49	3	52	2	48
11	14-20 -	5	59	4	48	3	50	2	53	2	43	1	44	2	48	4	51	4	46	1	50	2	53	1	54	2	51	0	52	2	50
12	21-27 -	4	63	4	52	5	55	5	58	4	47	3	47	4	52	3	54	3	49	3	53	3	56	3	57	3	54	4	56	4	54
13	Mar. 28-Apr. 3	5	68	4	56	3	58	3	61	2	49	2	49	3	55	4	58	2	51	2	55	5	61	4	61	4	58	2	58	3	57
14	April 4-10 -	6	74	5	61	2	60	3	64	4	53	4	53	4	59	6	64	5	56	6	61	7	68	7	68	6	64	7	65	5	62
15	11-17 -	6	80	4	65	2	62	2	66	2	55	2	55	2	61	5	69	4	60	2	63	5	73	3	71	4	68	2	67	3	65
16	18-24 -	6	86	5	70	2	64	1	67	3	58	2	57	3	64	5	74	4	64	3	66	4	77	3	74	4	72	3	70	4	69
17	April 25-May 1	2	88	3	73	3	67	2	69	2	60	1	58	2	66	1	75	2	66	2	68	1	78	2	76	1	73	2	72	1	70
18	May 2-8 -	1	89	2	75	2	69	2	71	2	62	1	59	2	68	1	76	2	68	2	70	1	79	2	78	2	75	4	76	2	72
19	9-15 -	5	94	4	79	3	72	4	75	4	66	3	62	4	72	2	78	2	70	3	73	3	82	3	81	3	78	3	79	4	76
20	16-22 -	2	96	1	80	2	74	3	78	3	69	4	66	2	74	2	80	3	73	4	77	4	86	5	86	3	81	3	82	2	78
21	May 23-29 -	2	98	2	82	2	76	1	79	1	70	0	66	1	75	2	82	1	74	0	77	1	87	1	87	1	82	0	82	1	79
	Spring Totals	55		46		37		36		35		30		37		42		40		35		46		42		41		37		39	
22	May 30-June 5	6	104	4	86	1	77	1	80	1	71	1	67	2	77	3	85	2	76	2	79	4	91	3	90	3	85	2	84	3	82
23	June 6-12 -	3	107	1	87	1	78	1	81	1	72	1	68	1	78	2	87	1	77	1	80	3	94	3	93	2	87	0	84	1	83
24	13-19 -	0	107	0	87	0	78	0	81	0	72	0	68	0	78	1	88	0	77	1	81	1	95	1	94	1	88	1	85	1	84
25	20-26 -	1	108	3	90	2	80	3	84	2	74	2	70	2	80	3	91	3	80	4	85	4	99	3	97	3	91	5	90	3	87
26	June 27-July 3	5	113	4	94	4	84	4	88	4	78	3	73	4	84	4	95	5	85	4	89	5	104	6	103	5	96	2	92	4	91
27	July 4-10 -	4	117	3	97	4	88	4	92	4	82	3	76	3	87	4	99	3	88	3	92	5	109	5	108	4	100	2	94	4	95
28	11-17 -	4	121	5	102	5	93	5	97	4	86	4	80	5	92	5	104	4	92	4	96	6	115	5	113	5	105	4	98	5	100
29	18-24 -	6	127	6	108	4	97	5	102	5	91	4	84	5	97	5	109	4	96	5	101	7	122	6	119	5	110	2	100	5	105
30	July 25-31 -	5	132	5	113	4	101	4	106	4	95	3	87	4	101	3	112	4	100	4	105	5	127	6	125	4	114	4	104	4	109
31	Aug. 1-7 -	3	135	5	118	6	107	6	112	6	101	5	92	6	107	4	116	5	105	5	110	6	133	7	132	5	119	5	109	6	115
32	8-14 -	5	140	6	124	5	112	5	117	5	106	4	96	5	112	5	121	5	110	6	116	7	140	7	139	6	125	4	113	5	120
33	15-21 -	4	144	3	127	3	115	2	119	2	108	3	99	2	114	2	123	2	112	1	117	2	142	2	141	2	127	0	113	2	122
34	Aug. 22-28 -	5	149	2	129	1	116	1	120	1	109	0	99	1	115	3	126	1	113	1	118	2	144	1	142	2	129	0	113	1	123
	Summer Totals	51		47		40		41		39		33		40		44		39		41		57		55		47		31		44	
35	Aug. 29-Sept. 4	5	154	4	133	5	121	5	125	3	112	4	103	4	119	3	129	4	117	4	121	5	149	3	145	4	133	4	117	4	127
36	Sept. 5-11 -	2	156	1	134	1	122	1	126	0	112	0	103	1	120	2	131	1	118	0	122	2	151	3	148	2	135	0	117	2	129
37	12-18 -	4	160	3	137	1	123	1	127	2	114	2	105	2	122	4	135	2	120	4	126	4	155	4	152	4	139	2	119	3	132
38	19-25 -	3	163	3	140	2	125	2	129	2	116	2	107	2	124	4	139	3	123	4	130	4	159	5	157	4	143	2	121	3	135
39	Sept. 26-Oct. 2	5	168	4	144	3	128	4	133	3	119	3	110	3	127	1	140	3	126	5	135	6	165	5	162	4	147	6	127	3	138
40	Oct. 3-9 -	1	169	2	146	1	129	3	136	1	120	2	112	2	129	2	142	1	127	1	136	2	167	3	165	2	149	1	128	2	140
41	10-16 -	4	173	3	149	2	131	1	137	2	122	2	114	2	131	4	146	3	130	6	141	3	170	4	169	4	153	3	131	3	143
42	17-23 -	4	177	5	154	3	134	3	140	2	124	3	117	3	134	4	150	2	132	4	145	5	175	6	175	4	157	4	135	4	147
43	Oct. 24-30 -	4	181	5	159	5	139	5	145	4	128	4	121	5	139	4	154	4	136	5	150	5	180	5	180	4	161	6	141	4	151
44	Oct. 31-Nov. 6	4	185	4	163	5	144	5	150	2	130	3	124	4	143	1	155	2	138	2	152	3	183	3	183	2	163	4	145	3	154
45	Nov. 7-13 -	6	191	5	168	4	148	4	154	5	135	4	128	4	147	4	159	5	143	6	158	6	189	6	189	5	168	7	152	5	159
46	14-20 -	2	193	2	170	3	151	4	158	2	137	2	130	3	150	1	160	2	145	2	160	2	191	1	190	1	169	3	155	2	161
47	Nov. 21-27 -	4	197	3	173	2	153	3	161	1	138	1	131	2	152	2	162	1	146	1	161	3	194	2	192	2	171	1	156	2	163
	Autumn Totals	48		44		37		41		29		32		37		36		33		43		50		50		42		43		40	
48	Nov. 28-Dec. 4	5	202	4	177	5	158	6	167	6	144	6	137	5	157	4	166	5	151	6	167	5	199	6	198	5	176	7	163	5	166
49	Dec. 5-11 -	7	209	6	183	6	164	6	173	6	150	6	143	6	163	6	172	6	157	7	174	6	205	6	204	6	182	7	170	6	172
50	12-18 -	6	215	5	188	5	169	4	177	4	154	4	147	4	167	5	177	4	161	5	179	5	210	4	208	5	187	6	176	5	177
51	19-25 -	6	221	7	195	6	175	6	183	6	160	6	153	6	173	7	184	6	167	6	185	7	217	5	213	6	193	5	181	6	183
52	Dec. 26-Jan. 1	6	227	6	201	6	181	5	188	6	166	5	158	6	179	7	191	7	174	6	191	7	224	7	220	7	200	5	186	7	190

(7395—19.) Wt. 160—610. 450. 3/16. D & S. G. 17/ 38.

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT DURING THE YEAR 1915.

1915.		0. Scotland, N.		Eastern Districts.										Western Districts.												11. English Channel.		Means for Districts 1–10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.
	Rainfall in Millimetres—1915.																												
	1915.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1	Jan. 3-9 -	34	34	17	17	27	27	21	21	35	35	39	39	28	28	19	19	35	35	42	42	23	23	31	31	30	30	40	40	29	29
2	10-16 -	79	113	30	47	17	44	19	40	21	56	14	53	20	48	54	73	42	77	32	74	44	67	31	62	41	71	19	59	31	60
3	17-23 -	33	146	7	54	12	56	29	69	10	66	23	76	16	64	9	82	12	89	19	93	15	82	16	78	14	85	27	86	15	75
4	Jan. 24-30 -	4	150	2	56	4	60	3	72	2	68	3	79	3	67	4	86	4	93	6	99	6	88	12	90	6	91	2	88	4	79
5	Jan. 31-Feb. 6	36	186	23	79	17	77	14	86	23	91	26	105	20	87	47	133	37	130	38	137	26	114	48	138	39	130	29	117	30	109
6	Feb. 7-13 -	26	212	30	109	27	104	22	108	30	121	46	151	31	118	34	167	22	152	59	196	33	147	49	187	39	169	56	173	35	144
7	14-20 -	20	232	22	131	16	120	24	132	24	145	33	184	24	142	40	207	21	173	44	240	23	170	29	216	32	201	40	213	28	172
8	Feb. 21-27 -	33	265	13	144	8	128	10	142	10	155	12	196	11	153	36	243	22	195	16	256	22	192	27	243	25	226	9	222	18	190
	Winter Totals	503		303		240		304		321		434		320		446		373		513		370		488		438		471		380	
9	Feb. 28-Mar. 6	66	331	19	163	9	137	15	157	12	167	10	206	13	166	36	279	21	216	17	273	19	211	13	256	21	247	7	229	17	207
10	Mar. 7-13 -	5	336	2	165	5	142	4	161	3	170	3	209	3	169	2	281	4	220	3	276	4	215	4	260	3	250	4	233	3	210
11	14-20 -	16	352	15	180	15	157	7	168	3	173	1	210	8	177	7	288	8	228	1	277	3	218	1	261	4	254	0	233	6	216
12	21-27 -	14	366	19	199	10	167	14	182	12	185	9	219	13	190	8	296	8	236	12	289	5	223	12	273	9	263	9	242	11	227
13	Mar. 28-Apr. 3	21	387	8	207	7	174	5	187	7	192	6	225	7	197	23	319	18	254	9	298	13	236	6	279	14	277	4	246	10	237
14	April 4-10 -	48	435	15	222	2	176	7	194	8	200	16	241	9	206	30	349	18	272	19	317	27	263	29	308	25	302	32	278	17	254
15	11-17 -	19	454	4	226	6	182	10	204	6	206	9	250	7	213	5	354	5	277	3	320	6	269	2	310	4	306	4	282	5	259
16	18-24 -	41	495	12	238	3	185	1	205	3	209	4	254	5	218	13	367	12	289	6	326	10	279	6	316	9	315	5	287	7	266
17	April 25-May 1	6	501	8	246	9	194	4	209	7	216	2	256	6	224	5	372	13	302	5	331	6	285	10	326	8	323	5	292	7	273
18	May 2-8 -	1	502	3	249	4	198	3	212	5	221	3	259	4	228	1	373	5	307	8	339	1	286	4	330	4	327	11	303	4	277
19	9-15 -	11	513	18	267	20	218	36	248	28	249	44	303	29	257	16	389	14	321	36	375	11	297	13	343	18	345	19	322	24	301
20	16-22 -	2	515	2	269	3	221	10	258	18	267	37	340	14	271	10	399	12	333	20	395	15	312	25	368	17	362	8	330	15	316
21	May 23-29 -	3	518	6	275	9	230	1	259	1	268	0	340	3	274	5	404	2	335	1	396	1	313	1	369	2	364	0	330	3	319
	Spring Totals	253		131		102		117		113		144		121		161		140		140		121		126		138		108		130	
22	May 30-June 5	20	538	13	288	2	232	0	259	2	270	1	341	4	278	19	423	7	342	3	399	27	340	15	384	14	378	4	334	9	328
23	June 6-12 -	8	546	2	290	1	233	2	261	2	272	2	343	2	280	2	425	3	345	1	400	4	344	5	389	3	381	0	334	2	330
24	13-19 -	0	546	0	290	0	233	0	261	0	272	0	343	0	280	0	425	0	345	0	400	1	345	1	390	1	382	2	336	1	331
25	20-26 -	2	548	16	306	9	242	7	268	12	284	5	348	10	290	14	439	17	362	25	425	11	356	15	405	16	398	21	357	13	344
26	June 27-July 3	21	569	14	320	19	261	31	299	22	306	15	363	20	310	27	466	26	388	21	446	26	382	32	437	26	424	3	360	23	367
27	July 4-10 -	9	578	24	344	39	300	24	323	40	346	17	380	29	339	15	481	25	413	29	475	18	400	34	471	24	448	11	371	26	393
28	11-17 -	14	592	27	371	30	330	36	359	37	383	33	413	32	371	20	501	19	432	39	514	29	429	18	489	25	473	34	405	28	421
29	18-24 -	29	621	27	398	14	344	28	387	22	405	28	441	24	395	35	536	16	448	35	549	25	454	17	506	26	499	27	432	25	446
30	July 25-31 -	26	647	21	419	11	355	15	402	13	418	11	452	14	409	8	544	16	464	12	568	18	472	42	548	21	520	17	449	18	464
31	Aug. 1-7 -	17	664	30	449	19	374	27	429	32	450	17	469	25	434	20	564	34	498	28	596	18	490	31	579	26	546	15	464	25	489
32	8-14 -	22	686	22	471	25	399	18	447	18	468	12	481	19	453	17	581	21	519	20	616	47	537	40	619	29	575	11	475	24	513
33	15-21 -	8	694	12	483	7	406	13	460	7	475	8	489	9	462	11	592	17	536	3	619	5	542	4	623	8	583	0	475	9	522
34	Aug. 22-28 -	17	711	7	490	7	413	1	461	5	480	0	489	4	466	7	599	7	543	1	620	4	546	2	625	4	587	0	475	4	526
	Summer Totals	193		215		183		202		212		149		192		195		208		224		233		256		223		145		208	
35	Aug. 29-Sept. 4	14	725	17	507	21	434	15	476	8	488	19	508	16	482	7	606	18	561	12	632	13	559	8	633	12	597	27	502	14	540
36	Sept. 5-11 -	6	731	0	507	1	435	0	476	0	488	0	508	0	482	6	612	2	563	0	632	2	561	5	638	3	600	0	502	2	542
37	12-18 -	17	748	14	521	2	437	1	477	2	490	3	511	4	486	12	624	2	565	9	641	10	571	9	647	8	608	4	506	6	548
38	19-25 -	33	781	43	564	11	448	6	483	16	506	21	532	20	506	16	640	10	575	10	651	21	592	27	674	17	625	21	527	18	566
39	Sept. 26-Oct. 2	13	794	24	588	10	458	21	507	11	517	34	566	21	527	1	641	4	579	26	677	18	610	20	694	14	639	29	556	18	584
40	Oct. 3-9 -	2	796	4	592	2	460	6	513	1	518	3	569	3	530	13	654	4	583	9	686	15	625	34	728	15	654	11	567	9	593
41	10-16 -	22	818	8	600	5	465	1	514	3	521	2	571	4	534	14	668	10	593	8	694	11	636	10	738	11	665	3	570	8	601
42	17-23 -	14	832	28	628	6	471	8	522	13	534	16	587	14	548	32	700	12	605	36	730	19	655	37	775	27	692	23	593	20	621
43	Oct. 24-30 -	12	844	27	655	21	492	22	544	24	558	33	620	25	573	30	730	20	625	42	772	27	682	37	812	31	723	35	628	28	649
44	Oct. 31-Nov. 6	7	851	10	665	14	506	18	562	12	570	25	645	16	589	1	731	2	627	17	789	5	687	5	817	6	729	29	657	11	659
45	Nov. 7-13 -	49	900	44	709	23	529	41	603	48	618	42	687	39	628	37	768	41	668	55	844	46	733	78	895	51	780	49	706	45	704
46	14-20 -	8	908	3	712	6	535	9	612	5	623	6	693	6	634	5	773	7	675	4	848	4	737	1	896	4	784	11	717	5	709
47	Nov. 21-27 -	11	919	5	717	4	539	5	617	0	623	0	693	3	637	10	783	2	677	1	849	4	741	2	898	4	788	2	719	3	712
	Autumn Totals	208		227		126		156		143		204		171		184		134		229		195		273		203		244		187	
48	Nov. 28-Dec. 4	23	942	17	734	38	577	26	643	37	660	51	744	34	671	22	805	30	707	55	904	29	770	35	933	34	822	55	774	34	746
49	Dec. 5-11 -	63	1005	53	787	36	613	30	673	36	696	52	796	41	715	58	863	50	757	57	961	32	802	29	962	45	867	75	849	43	789
50	12-18 -	30	1035	16	803	10	623	17	690	14	710	26	822	17	732	22	885	15	772	36	997	18	820	14	976	21	888	32	881	19	808
51	19-25 -	29	1064	32	835	26	649	26	716	26	736	38	860	29	761	44	929	40	812	50	1047	28	848	26	1002	38	926	31	912	34	842
52	Dec. 26-Jan. 1	27	1091	30	865	29	678	14	730	30	766	30	890	26	787	51	980	42	854	47	1094	51	899	73	1075	53	979	29	941	40	882

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF **ACCUMULATED HEAT** ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1915.

1915.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
Weeks.																															
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.
	DAY-DEGREES ABOVE 42° FAHRENHEIT—1915.																														
	1915.																														
1	Jan. 3-9 -	0	0	0	0	0	0	4	4	4	4	20	20	6	6	1	1	4	4	20	20	4	4	11	11	8	8	32	32	7	9
2	10-16 -	6	6	4	4	11	11	25	29	24	28	26	46	18	24	11	12	21	25	23	43	22	26	27	38	21	29	36	68	19	26
3	17-23 -	4	10	3	7	2	13	0	29	1	29	2	48	1	25	4	16	3	28	4	47	7	33	8	46	5	34	19	87	3	29
4	Jan. 24-30 -	0	10	0	7	0	13	0	29	0	29	0	48	0	25	0	16	0	28	0	47	0	33	0	46	0	34	1	88	1	30
5	Jan. 31-Feb. 6	21	31	13	20	22	35	12	41	25	54	22	70	19	44	19	35	25	53	24	71	26	59	28	74	25	59	29	117	22	52
6	Feb. 7-13 -	0	31	0	20	0	35	7	48	5	59	12	82	5	49	0	35	3	56	9	80	0	59	4	78	3	62	9	126	4	56
7	14-20 -	2	33	1	21	7	42	8	56	10	69	13	95	8	57	6	41	7	63	13	93	9	68	13	91	10	72	24	150	9	65
8	Feb. 21-27 -	0	33	0	21	0	42	4	60	3	72	6	101	2	59	0	41	0	63	3	96	1	69	7	98	2	74	13	163	2	67
	Winter Totals	49		39		92		149		130		217		125		80		123		201		114		177		140		341		133	
9	Feb. 28-Mar. 6	6	39	7	28	22	64	27	87	28	100	27	128	22	81	11	52	18	81	24	120	25	94	32	130	22	96	30	193	22	89
10	Mar. 7-13 -	25	64	20	48	25	89	11	98	15	115	14	142	17	98	16	68	13	94	15	135	16	110	28	158	18	114	22	215	18	107
11	14-20 -	7	71	11	59	17	106	13	111	15	130	15	157	14	112	14	82	12	106	17	152	16	126	15	173	15	129	27	242	14	121
12	21-27 -	2	73	6	65	18	124	31	141	22	152	29	186	21	133	14	96	19	125	26	178	16	142	25	198	20	149	31	273	21	142
13	Mar. 28-Apr. 3	12	85	15	80	14	138	15	157	17	169	13	199	15	148	16	112	14	139	14	192	21	163	23	221	17	166	22	295	16	158
14	April 4-10 -	13	98	18	98	34	172	38	195	35	204	35	234	32	180	24	136	23	165	30	222	28	191	33	254	28	194	35	330	30	188
15	11-17 -	24	122	37	135	40	212	35	230	42	246	37	271	38	218	33	169	32	197	39	261	32	223	43	297	36	230	43	373	37	225
16	18-24 -	25	147	37	172	35	247	43	273	39	285	40	311	39	257	34	203	32	229	34	295	35	258	44	341	36	266	38	411	37	262
17	April 25-May 1	44	191	46	218	49	296	54	327	67	352	57	368	55	312	58	261	56	285	60	355	57	315	70	411	60	326	57	468	57	319
18	May 2-8 -	40	231	46	264	46	342	69	396	67	419	85	453	63	375	54	315	53	338	81	436	48	363	67	478	61	387	83	551	62	381
19	9-15 -	20	251	25	289	33	375	43	439	51	470	54	507	41	416	35	350	41	379	50	486	39	402	52	530	43	430	63	614	42	423
20	16-22 -	48	299	52	341	56	431	69	508	71	541	78	585	65	481	61	411	70	449	77	563	64	466	78	608	70	500	84	698	67	490
21	May 23-29 -	63	362	64	405	62	493	83	591	85	626	100	685	79	560	87	498	83	532	107	670	78	544	109	717	93	593	107	805	86	576
	Spring Totals	329		384		451		531		554		584		501		457		489		574		475		619		519		642		510	
22	May 30-June 5	50	412	67	472	75	568	85	676	76	702	74	759	75	635	64	562	68	600	67	737	68	612	76	793	69	659	82	887	72	648
23	June 6-12 -	82	494	97	569	119	687	135	811	133	835	136	895	124	759	97	659	114	714	120	857	89	701	106	899	105	764	123	1010	115	763
24	13-19 -	69	563	71	640	76	763	84	895	88	923	96	991	83	842	97	756	97	811	103	960	102	803	117	1016	101	867	111	1121	93	856
25	20-26 -	62	625	66	706	83	846	99	994	97	1020	106	1097	90	932	90	846	95	906	98	1058	88	891	102	1118	95	962	116	1237	92	948
26	June 27-July 3	91	716	102	808	119	965	133	1127	122	1141	126	1223	120	1052	115	961	117	1023	112	1170	109	1000	120	1238	114	1076	120	1357	117	1065
27	July 4-10 -	96	812	105	913	114	1079	138	1265	118	1260	137	1360	122	1174	108	1069	109	1132	117	1287	100	1100	106	1344	108	1184	129	1486	115	1180
28	11-17 -	73	885	78	991	95	1174	107	1372	97	1357	107	1467	97	1271	85	1154	99	1231	102	1389	86	1186	102	1446	95	1279	111	1597	96	1276
29	18-24 -	95	980	102	1093	117	1291	121	1493	114	1471	117	1584	114	1385	96	1250	111	1342	111	1500	99	1285	112	1558	106	1385	122	1719	110	1386
30	July 25-31 -	83	1063	78	1171	100	1391	115	1608	102	1573	114	1698	102	1487	92	1342	102	1444	104	1604	90	1375	98	1656	97	1482	116	1835	99	1485
31	Aug. 1-7 -	101	1164	101	1272	118	1509	139	1747	125	1698	138	1836	124	1611	112	1454	114	1558	124	1728	99	1474	119	1775	114	1596	132	1967	119	1604
32	8-14 -	108	1272	114	1386	132	1641	144	1891	138	1836	147	1983	135	1746	121	1575	130	1688	140	1868	117	1591	133	1908	128	1724	145	2112	132	1736
33	15-21 -	94	1366	97	1483	111	1752	115	2006	114	1950	120	2103	111	1857	106	1681	111	1799	116	1984	101	1692	114	2022	110	1834	128	2240	110	1846
34	Aug. 22-28 -	104	1470	119	1602	125	1877	128	2134	120	2070	131	2237	125	1982	113	1794	118	1917	126	2110	115	1807	121	2143	118	1952	142	2382	122	1968
	Summer Totals	1108		1197		1374		1513		1444		1552		1422		1296		1385		1440		1263		1426		1362		1577		1392	
35	Aug. 29-Sept. 4	48	1518	53	1655	67	1944	78	2212	73	2143	88	2325	72	2054	54	1848	69	1986	83	2193	68	1875	81	2224	71	2023	101	2483	72	2040
36	Sept. 5-11 -	106	1624	104	1759	103	2050	111	2323	103	2246	106	2431	106	2160	107	1955	114	2100	105	2298	115	1990	122	2346	113	2136	130	2613	109	2149
37	12-18 -	83	1707	92	1851	121	2171	137	2460	130	2376	139	2570	124	2284	109	2064	125	2225	130	2428	111	2101	125	2471	120	2256	148	2761	122	2269
38	19-25 -	79	1786	77	1928	102	2273	118	2578	104	2480	124	2694	105	2389	97	2161	112	2337	118	2546	116	2217	129	2600	114	2370	140	2901	110	2379
39	Sept. 26-Oct. 2	29	1815	28	1966	42	2315	48	2626	45	2525	49	2743	44	2433	43	2204	40	2377	53	2599	41	2258	56	2656	47	2417	80	2981	45	2424
40	Oct. 3-9 -	47	1862	51	2017	53	2368	61	2687	49	2574	64	2807	56	2489	51	2255	57	2434	65	2664	67	2325	82	2738	64	2481	85	3066	60	2484
41	10-16 -	69	1931	60	2077	74	2442	91	2778	76	2650	90	2897	78	2567	71	2326	75	2509	87	2751	74	2399	78	2816	77	2558	98	3164	78	2562
42	17-23 -	35	1966	38	2115	40	2482	51	2829	37	2687	56	2953	44	2611	42	2368	43	2552	52	2803	53	2452	64	2880	51	2609	76	3240	47	2609
43	Oct. 24-30 -	24	1990	16	2131	25	2507	30	2859	30	2717	34	2987	27	2638	25	2393	23	2580	34	2837	33	2485	38	2918	32	2641	53	3293	30	2639
44	Oct. 31-Nov. 6	12	2002	13	2144	15	2522	24	2883	13	2730	28	3015	19	2657	17	2410	14	2594	26	2863	29	2514	28	2946	23	2664	47	3340	21	2660
45	Nov. 7-13 -	2	2004	6	2150	21	2543	30	2913	26	2756	35	3050	24	2681	11	2421	19	2613	33	2896	18	2532	24	2970	21	2685	49	3389	22	2683
46	14-20 -	0	2004	0	2150	0	2543	1	2914	0	2756	1	3051	1	2682	0	2421	0	2613	2	2898	3	2535	7	2977	2	2687	23	3412	2	2685
47	Nov. 21-27 -	2	2006	0	2150	0	2543	0	2914	0	2756	0	3051	0	2682	0	2421	0	2613	0	2898	7	2542	7	2984	3	2690	16	3428	1	2686
	Autumn Totals	536		548		666		780		686		814		700		627		693		788		766		841		738		1046		719	
48	Nov. 28-Dec. 4	0	2006	0	2150	0	2543	12	2926	6	2762	27	3078	9	2691	0	2421	0	2613	28	2926	6	2548	24	3008	12	2702	41	3469	11	2697
49	Dec. 5-11 -	0	2006	0	2150	11	2554	33	2959	30	2792	39	3117	23	2714	3	2424	13	2626	35	2961	13	2561	28	3036	18	2720	59	3528	21	2717
50	12-18 -	0	2006	0	2150	0	2554	1	2960	0	2792	4	3112	1	2715	0	2424	2	2628	8	2969	3	2564	6	3042	4	2724	23	3551	3	2720
51	19-25 -	0	2006	0	2150	6	2560	10	2970	11	2803	21	3142	9	2724	5	2429	9	2637	23	2992	12	2576	26	3068	15	2739	38	3589	12	2732
52	Dec. 26-Jan. 1	8	2014	7	2157	24	2584	31	3001	34	2837	43	3185	28	2752	18	2447	27	2664	43	3035	25	2601	35	3103	30	2769	57	3646	29	2761

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT BELOW 42° F. IN EACH DISTRICT DURING THE YEAR 1915.

1915.		0. Scot-land, N.		Eastern Districts.										Western Districts.												Means for Districts 1-10 com-bined.	
				1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.			
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.
	DAY-DEGREES BELOW 42° FAHRENHEIT—1915.																														
	1915.																														
1	Jan. 3-9 -	29	29	40	40	22	22	21	21	26	26	10	10	24	24	28	28	20	20	7	7	27	27	23	23	21	21	0	0	23	23
2	10-16 -	34	63	37	77	21	43	11	32	11	37	7	17	17	41	21	49	8	28	0	7	10	37	3	26	8	29	0	0	12	35
3	17-23 -	31	94	30	107	28	71	31	63	30	67	31	48	30	71	28	77	25	53	23	30	26	63	21	47	25	54	7	7	28	63
4	Jan. 24-30 -	48	142	60	167	39	110	39	102	46	113	42	90	45	116	49	126	41	97	41	71	40	103	32	79	41	95	25	32	43	106
5	Jan. 31-Feb. 6	13	155	27	194	14	124	19	121	14	127	7	97	16	132	12	138	9	106	10	81	15	118	10	89	11	106	2	34	13	119
6	Feb. 7-13 -	29	184	41	235	29	153	32	153	38	165	28	125	34	166	30	168	27	133	23	107	34	152	29	118	29	135	21	55	32	151
7	14-20 -	30	214	39	274	28	181	25	178	33	198	22	147	29	195	30	198	25	158	25	132	33	185	29	147	28	163	6	61	28	179
8	Feb. 21-27 -	43	260	55	329	41	222	39	217	48	246	40	187	45	240	41	239	36	194	41	173	40	225	40	187	40	203	29	90	43	222
	Winter Totals	427		541		346		311		380		255		366		362		286		250		354		305		310		103		338	
9	Feb. 28-Mar. 6	25	285	28	357	13	235	10	227	10	256	7	194	14	254	20	259	8	202	6	179	10	235	6	193	10	213	0	90	12	234
10	Mar. 7-13 -	13	298	29	386	17	252	21	248	25	281	20	214	22	276	26	285	20	222	23	202	15	250	15	208	20	233	4	94	21	255
11	14-20 -	30	328	36	422	28	280	28	276	28	309	22	236	28	304	26	311	21	243	25	227	15	265	21	232	22	255	8	102	25	280
12	21-27 -	34	362	37	459	29	309	20	296	37	346	16	252	28	332	27	338	27	270	16	243	29	294	12	244	22	277	5	107	25	305
13	Mar. 28-Apr. 3	33	395	37	496	39	348	39	335	46	392	39	291	40	372	38	376	34	304	39	282	33	327	33	277	36	313	13	120	38	343
14	April 4-10 -	23	418	28	524	14	362	9	344	12	404	5	296	14	386	14	390	10	314	3	285	13	340	6	283	9	322	0	120	12	355
15	11-17 -	11	429	15	539	11	373	13	357	12	416	8	304	12	398	8	398	5	319	3	288	0	340	0	283	3	325	0	120	7	362
16	18-24 -	13	442	14	553	11	384	16	373	15	431	14	318	14	412	10	408	8	327	9	297	5	345	1	284	7	332	0	120	10	372
17	April 25-May 1	9	451	13	566	6	390	2	375	8	439	0	318	6	418	4	412	4	331	0	297	0	345	0	284	2	334	0	120	4	376
18	May 2-8 -	14	465	14	580	3	393	0	375	0	439	0	318	3	421	5	417	1	332	0	297	1	346	0	284	1	335	0	120	2	378
19	9-15 -	33	498	36	616	10	403	6	381	12	451	0	318	13	434	17	434	12	344	1	298	6	352	0	284	7	342	0	120	10	388
20	16-22 -	5	503	10	626	0	403	0	381	0	451	0	318	2	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	1	389
21	May 23-29 -	0	503	1	627	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
	Spring Totals	243		298		181		164		205		131		196		193		150		123		127		97		139		30		168	
22	May 30-June 5	0	503	0	627	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
23	June 6-12 -	0	503	0	627	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
24	13-19 -	0	503	3	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
25	20-26 -	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
26	June 27-July 3	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
27	July 4-10 -	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
28	11-17 -	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
29	18-24 -	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
30	July 25-31 -	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
31	Aug. 1-7 -	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
32	8-14 -	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
33	15-21 -	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
34	Aug. 22-28 -	0	503	0	630	0	403	0	381	0	451	0	318	0	436	0	434	0	344	0	298	0	352	0	284	0	342	0	120	0	389
	Summer Totals	0		3		0		0		0		0		1		0		0				0		0		0		0		1	
35	Aug. 29-Sept. 4	0	503	2	632	0	403	0	381	0	451	0	318	0	436	1	435	0	344	0	298	0	352	0	284	0	342	0	120	0	389
36	Sept. 5-11 -	0	503	0	632	0	403	0	381	0	451	0	318	0	436	0	435	0	344	0	298	0	352	0	284	0	342	0	120	0	389
37	12-18 -	0	503	0	632	0	403	0	381	0	451	0	318	0	436	0	435	0	344	0	298	0	352	0	284	0	342	0	120	0	389
38	19-25 -	0	503	0	632	0	403	0	381	0	451	0	318	0	436	0	435	0	344	0	298	0	352	0	284	0	342	0	120	0	389
39	Sept. 26-Oct. 2	10	513	12	644	6	409	3	384	8	459	2	320	6	442	11	446	2	346	0	298	0	352	0	284	3	345	0	120	4	393
40	Oct. 3-9 -	2	515	14	658	0	409	0	384	0	459	0	320	3	445	0	446	0	346	0	298	0	352	0	284	0	345	0	120	2	395
41	10-16 -	0	515	0	658	0	409	0	384	0	459	0	320	0	445	0	446	0	346	0	298	0	352	0	284	0	345	0	120	0	395
42	17-23 -	1	516	10	668	0	409	0	384	3	462	0	320	2	447	0	446	0	346	0	298	0	352	0	284	0	345	0	120	1	396
43	Oct. 24-30 -	11	527	24	692	9	418	4	388	13	475	4	324	11	458	11	457	7	353	4	302	12	364	12	296	9	354	0	120	10	406
44	Oct. 31-Nov. 6	26	553	33	725	25	443	8	396	31	506	11	335	22	480	32	489	29	382	14	316	17	381	18	314	22	376	0	120	22	428
45	Nov. 7-13 -	26	579	25	750	12	455	14	410	16	522	12	347	16	496	18	507	6	388	9	325	10	391	8	322	10	386	0	120	13	441
46	14-20 -	71	650	78	828	43	498	38	448	51	573	43	390	50	546	70	577	56	444	40	365	42	433	39	361	50	436	12	132	50	491
47	Nov. 21-27 -	28	678	53	881	41	539	35	483	54	627	41	431	45	591	46	623	57	501	43	408	27	460	28	389	40	476	7	139	43	534
	Autumn Totals	175		251		136		102		176		113		155		189		157		110		108		105		134		19		145	
48	Nov. 28-Dec. 4	37	715	51	932	37	576	30	513	41	668	14	445	35	626	34	657	29	530	11	419	22	482	11	400	22	498	0	139	29	563
49	Dec. 5-11 -	51	766	50	982	27	603	9	522	16	684	3	448	21	647	32	689	24	554	1	420	28	510	10	410	19	517	0	139	20	583
50	12-18 -	39	805	48	1030	32	635	28	550	35	719	28	476	34	681	28	717	28	582	27	447	32	542	35	445	30	547	7	146	32	614
51	19-25 -	24	829	29	1059	25	660	23	573	26	745	10	486	22	703	26	743	20	602	9	456	22	564	13	458	18	565	0	146	20	634
52	Dec. 26-Jan. 1	20	849	27	1086	8	668	2	575	5	750	0	486	8	711	8	751	5	607	0	456	8	572	4	462	5	570	0	146	6	640

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE IN EACH DISTRICT REGISTERED DURING THE YEAR 1915.

1915.		0. Scot-land, N.		Eastern Districts.										Western Districts.										11. English Channel.		Means for Districts 1-10 combined.	
				1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.
		Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
	NUMBERS OF HOURS OF BRIGHT SUNSHINE—1915.																														
1	Jan. 3-9 -	6	6	6	6	3	3	5	5	7	7	10	10	6	6	8	8	7	7	13	13	8	8	16	16	11	11	16	16	9	9
2	10-16 -	2	8	7	13	11	14	12	17	7	14	10	20	9	15	7	15	5	12	4	17	5	13	9	25	6	17	6	22	7	16
3	17-23 -	7	15	12	25	8	22	8	25	10	24	15	35	11	26	21	36	15	27	13	30	14	27	18	43	16	33	14	36	14	30
4	Jan. 24-30 -	7	22	6	31	4	26	4	29	4	28	4	39	4	30	9	45	15	42	13	43	9	36	10	53	11	44	15	51	7	37
5	Jan. 31-Feb. 6	9	31	5	36	7	33	11	4c	7	35	11	50	8	38	5	50	8	50	10	53	10	46	12	65	9	53	14	65	9	46
6	Feb. 7-13 -	6	37	5	41	11	44	1?	56	15	50	19	69	13	51	13	63	17	67	16	69	12	58	11	76	14	67	22	87	13	59
7	14-20 -	20	57	20	61	18	62	14	70	17	67	18	87	18	69	24	87	22	89	20	89	24	82	26	102	23	90	23	110	21	80
8	Feb. 21-27 -	12	69	23	84	29	91	23	93	32	99	18	105	25	94	23	110	28	117	33	122	25	107	34	136	29	119	37	147	27	107
	Winter Totals	88		125		137		132		145		149		137		145		157		182		148		199		166		200		152	
9	Feb. 28-Mar. 6	15	84	18	102	19	110	21	114	19	118	19	124	19	113	12	122	10	127	17	139	6	113	14	150	12	131	25	172	15	122
10	Mar. 7-13 -	17	101	17	119	18	128	13	127	14	132	13	137	15	128	22	144	20	147	22	161	21	134	31	181	23	154	17	189	19	141
11	14-20 -	18	119	35	154	30	158	15	142	24	156	18	155	25	153	36	180	23	170	29	190	25	159	28	209	28	182	29	218	26	167
12	21-27 -	22	141	25	179	35	193	30	172	28	184	26	181	29	182	34	214	37	207	28	218	32	191	27	236	32	214	31	249	31	198
13	Mar. 28-Apr. 3	20	161	28	207	32	225	42	214	31	215	36	217	34	216	38	252	36	243	38	256	35	226	40	276	37	251	37	286	35	233
14	April 4-10 -	30	191	46	253	51	276	42	256	42	257	40	257	44	260	40	292	42	285	31	287	34	260	39	315	37	288	26	312	41	274
15	11-17 -	20	211	29	282	31	307	32	288	28	285	34	291	31	291	29	321	29	314	27	314	19	279	21	336	25	313	45	357	28	302
16	18-24 -	22	233	29	311	32	339	48	336	24	309	46	337	36	327	26	347	34	348	31	345	20	299	25	361	27	340	50	407	31	333
17	April 25-May 1	31	264	39	350	53	392	48	384	53	362	51	388	49	376	57	404	56	404	51	396	56	355	52	413	54	394	49	456	52	385
18	May 2-8 -	52	316	39	389	47	439	52	436	41	403	49	437	45	421	41	445	48	452	41	437	37	392	34	447	40	434	29	485	43	428
19	9-15 -	51	367	53	442	47	486	51	487	46	449	50	487	49	470	48	493	47	499	46	483	38	430	31	478	42	476	43	528	45	473
20	16-22 -	46	411	38	480	34	520	27	514	35	484	27	514	32	502	40	533	45	544	23	506	31	461	25	503	33	509	32	560	33	506
21	May 23-29 -	50	461	59	539	63	583	71	585	74	558	80	594	69	571	78	611	83	627	85	591	81	542	82	585	82	591	84	644	75	581
	Spring Totals	394		455		492		492		459		489		477		501		510		469		435		449		472		497		474	
22	May 30-June 5	33	494	36	575	49	632	55	643	51	609	53	647	50	621	46	657	53	680	58	649	39	581	44	629	48	639	62	706	49	630
23	June 6-12 -	44	538	63	638	57	689	56	699	56	665	43	690	55	676	46	703	46	726	43	692	49	630	45	674	46	685	30	736	51	681
24	13-19 -	84	622	88	726	67	756	60	759	70	735	74	764	72	748	84	787	83	809	72	764	81	711	61	735	76	761	48	784	74	755
25	20-26 -	46	668	34	760	39	795	58	817	43	778	46	810	44	792	43	830	43	852	22	786	45	756	35	770	38	799	22	806	41	796
26	June 27-July 3	13	681	22	782	29	824	33	850	24	802	36	846	29	821	27	857	28	880	30	816	19	775	17	787	24	823	62	868	26	822
27	July 4-10 -	23	704	30	812	36	860	43	893	34	836	44	890	37	858	31	888	37	917	41	857	25	800	32	819	33	856	68	936	35	857
28	11-17 -	32	736	32	844	34	894	31	924	33	869	29	919	31	889	32	920	38	955	41	898	25	825	39	858	35	891	38	974	33	890
29	18-24 -	22	758	27	871	34	928	39	963	30	899	43	962	35	924	33	953	33	988	38	936	32	857	35	893	34	925	56	1030	35	925
30	July 25-31 -	35	793	42	913	56	984	56	1019	54	953	64	1026	54	978	57	1010	57	1045	53	989	30	887	43	936	48	973	61	1091	51	976
31	Aug. 1-7 -	20	813	14	927	23	1007	35	1054	22	975	27	1053	24	1002	22	1032	14	1059	21	1010	16	903	18	954	18	991	33	1124	21	997
32	8-14 -	26	839	30	957	34	1041	33	1087	35	1010	36	1089	34	1036	24	1056	34	1093	40	1051	22	925	36	990	31	1022	50	1174	33	1030
33	15-21 -	13	852	20	977	27	1068	58	1125	31	1041	45	1134	32	1068	46	1102	39	1132	58	1109	35	960	48	1038	45	1067	74	1248	38	1068
34	Aug. 22-28 -	23	875	38	1015	51	1119	51	1176	49	1090	51	1185	48	1116	26	1128	38	1170	53	1162	19	979	36	1074	35	1102	69	1317	42	1110
	Summer Totals	414		476		536		591		532		591		545		517		543		570		437		489		511		673		529	
35	Aug. 29-Sept. 4	18	893	34	1049	40	1159	31	1207	35	1125	34	1219	35	1151	42	1170	45	1215	47	1209	40	1019	49	1123	45	1147	51	1368	40	1150
36	Sept. 5-11 -	41	934	49	1098	54	1213	63	1270	60	1185	71	1290	59	1210	46	1216	55	1270	65	1274	40	1059	45	1168	50	1197	75	1443	55	1205
37	12-18 -	36	970	33	1131	33	1246	37	1307	32	1217	41	1331	35	1245	26	1242	33	1303	33	1307	28	1087	27	1195	30	1227	43	1486	32	1237
38	19-25 -	14	984	17	1148	26	1272	39	1346	33	1250	39	1370	31	1276	14	1256	32	1335	32	1339	22	1109	27	1222	25	1252	38	1524	28	1265
39	Sept. 26-Oct. 2	31	1015	36	1184	38	1310	29	1375	27	1277	23	1393	31	1307	38	1294	31	1366	18	1357	26	1135	29	1251	29	1281	19	1543	30	1295
40	Oct. 3-9 -	32	1047	33	1217	17	1327	21	1396	10	1287	20	1413	20	1327	12	1306	19	1385	20	1377	18	1153	20	1271	16	1297	27	1570	18	1313
41	10-16 -	25	1072	26	1243	19	1346	21	1417	11	1298	16	1429	19	1346	26	1332	26	1411	22	1399	22	1175	31	1302	25	1322	30	1600	22	1335
42	17-23 -	22	1094	11	1254	9	1355	16	1433	5	1303	14	1443	11	1357	7	1339	14	1425	22	1421	13	1188	18	1320	15	1337	19	1619	13	1348
43	Oct. 24-30 -	12	1106	13	1267	11	1366	10	1443	14	1317	13	1456	12	1369	17	1356	19	1444	25	1446	25	1213	24	1344	22	1359	26	1645	17	1365
44	Oct. 31-Nov. 6	15	1121	16	1283	16	1382	14	1457	19	1336	21	1477	17	1386	27	1383	26	1470	33	1479	27	1240	21	1368	28	1387	27	1672	23	1387
45	7-13 -	7	1128	13	1296	20	1402	14	1471	16	1352	16	1493	16	1402	12	1395	14	1484	11	1490	8	1248	15	1383	12	1399	18	1690	14	1401
46	14-20 -	21	1149	24	1320	19	1421	30	1501	24	1376	31	1524	26	1428	19	1414	29	1513	31	1521	29	1277	28	1411	27	1426	22	1712	26	1427
47	21-27 -	3	1152	8	1328	11	1432	13	1514	9	1385	16	1540	11	1439	13	1427	17	1530	20	1541	5	1282	9	1420	13	1439	9	1721	12	1439
	Autumn Totals	277		313		313		338		295		355		323		299		360		379		303		346		337		401		330	
48	Nov. 28-Dec. 4	6	1158	6	1334	8	1440	7	1521	5	1390	3	1543	6	1445	7	1434	5	1535	3	1544	8	1290	7	1427	6	1445	8	1729	6	1445
49	Dec. 5-11 -	3	1161	6	1340	9	1449	8	1529	9	1399	10	1553	9	1454	9	1443	7	1542	7	1551	14	1304	16	1443	10	1456	8	1737	10	1455
50	12-18 -	3	1164	5	1345	14	1463	7	1536	9	1408	9	1562	9	1463	10	1453	10	1552	13	1564	8	1312	12	1455	10	1466	15	1752	10	1465
51	19-25 -	1	1165	1	1346	5	1468	6	1542	4	1412	8	1570	5	1468	2	1455	5	1557	7	1571	1	1313	8	1463	5	1471	9	1761	5	1470
52	Dec. 26-Jan. 1	2	1167	2	1348	4	1472	8	1550	6	1418	6	1576	5	1473	4	1459	5	1562	4	1575	8	1321	8	1471	6	1477	10	1771	5	1475

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF **BRIGHT SUNSHINE** IN EACH DISTRICT EXPRESSED AS **PERCENTAGES** OF THE **POSSIBLE DURATION** FOR THE YEAR 1915.

1915.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Limiting Dates of each week.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.	For the Week.	From Jan. 3, 1915.
	PERCENTAGES OF POSSIBLE DURATION OF BRIGHT SUNSHINE—1915.																														
	1915.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	Jan. 3-9 -	14	14	12	12	6	6	10	10	13	13	18	18	12	12	17	17	13	13	24	24	15	15	29	29	21	21	28	28	17	17
2	11-16 -	5	9	15	13	21	13	22	16	14	13	18	18	17	14	14	15	9	11	8	16	9	12	17	23	11	16	11	19	13	15
3	17-23 -	14	11	24	17	15	14	16	16	18	15	27	21	20	16	36	24	27	16	24	19	27	17	31	26	29	21	24	21	25	19
4	Jan. 24-30 -	13	12	12	16	7	12	7	13	8	13	7	17	7	14	16	22	27	19	22	20	15	17	18	24	19	20	24	22	12	17
5	Jan. 31-Feb. 6	16	13	9	14	11	12	18	14	11	13	18	17	13	14	8	19	14	18	16	19	16	17	19	23	15	19	21	22	15	17
6	Feb. 7-13 -	11	12	7	13	17	13	25	16	24	15	29	20	21	15	20	19	27	20	24	20	18	17	18	22	22	20	34	24	21	17
7	14-20 -	31	15	31	16	28	15	20	17	26	17	26	21	27	17	36	22	33	22	29	22	36	20	40	24	34	22	33	25	31	20
8	Feb. 21-27 -	18	16	34	18	42	19	33	19	45	21	46	21	36	20	33	23	40	24	47	25	36	22	48	27	41	25	51	29	39	23
	Winter Percentages.	13		18		18		17		19		21		18		19		21		23		19		25		22		24		20	
9	Feb. 28-Mar. 6	20	16	25	20	26	20	29	21	25	21	26	22	26	21	17	23	14	23	22	25	8	20	19	27	16	24	33	29	21	22
10	Mar. 7-13 -	23	17	23	20	23	20	16	20	19	21	17	21	19	20	28	23	25	23	29	25	27	21	39	28	30	25	22	29	25	22
11	14-20 -	23	18	44	23	37	22	19	20	29	22	22	21	31	22	45	26	28	24	36	26	31	22	34	29	35	26	35	29	32	24
12	21-27 -	26	19	30	24	42	24	35	22	33	23	30	22	35	23	41	27	44	26	33	27	38	24	32	29	38	27	26	29	37	25
13	Mar. 28-Apr. 3	23	19	32	24	37	26	47	24	35	24	42	24	39	25	43	29	40	27	44	29	39	26	45	31	42	29	43	30	40	27
14	April 4-10 -	32	20	50	27	56	28	46	26	46	26	44	26	48	27	44	30	46	29	34	29	38	27	43	32	41	30	29	30	45	28
15	11-17 -	20	20	30	27	33	30	34	27	30	27	36	27	33	27	30	30	31	30	29	29	20	26	22	31	27	29	49	32	30	28
16	18-24 -	22	21	29	27	33	29	50	29	24	26	47	29	37	28	27	30	35	30	32	29	20	26	26	31	28	29	53	33	32	28
17	April 25-May 1	29	21	38	28	52	31	48	30	53	29	51	30	49	30	56	32	55	32	51	31	55	28	52	32	53	31	50	35	51	30
18	May 2-8 -	48	23	36	29	45	32	50	32	39	29	47	32	43	31	47	33	46	33	40	32	35	29	32	32	39	32	28	35	41	31
19	9-15 -	45	25	48	30	44	33	49	33	43	30	48	33	46	32	44	34	44	34	44	33	35	29	30	32	39	32	41	35	42	32
20	16-22 -	40	26	34	31	31	33	25	32	32	30	25	32	29	32	35	34	41	34	21	32	28	29	23	32	30	32	30	35	30	32
21	May 23-29 -	42	27	51	32	55	34	64	34	66	33	72	35	61	34	68	36	74	37	77	35	72	32	74	34	73	35	78	38	67	34
	Spring Percentages.	30		36		39		39		36		39		38		40		40		38		34		36		38		40		38	
22	May 30-Jun. 5	27	27	30	32	43	35	52	36	45	33	47	36	44	34	40	36	46	37	52	36	34	32	39	34	42	35	56	39	43	35
23	June 6-12 -	36	28	52	33	48	36	49	36	49	34	38	36	47	35	39	36	40	36	38	36	42	32	40	35	40	36	27	38	44	35
24	13-19 -	68	30	72	35	57	37	53	37	61	36	65	37	62	36	71	38	71	39	63	38	63	35	53	36	65	37	43	38	63	37
25	20-26 -	37	31	28	35	33	37	50	38	37	36	40	37	38	37	36	38	37	39	19	36	38	35	30	36	32	37	19	37	35	37
26	June 27-July 3	10	30	18	34	25	36	28	37	20	35	32	37	25	36	22	37	24	39	26	36	16	34	14	34	20	36	56	38	22	36
27	July 4-10 -	19	29	25	33	30	36	37	37	30	35	38	37	32	36	26	37	31	38	36	36	21	33	28	34	28	36	61	39	30	36
28	11-17 -	26	29	26	33	30	35	27	37	28	35	26	37	27	35	27	36	32	38	36	36	21	33	34	34	30	36	34	39	29	36
29	18-24 -	18	28	23	33	40	35	35	37	27	34	38	37	31	35	28	36	29	37	34	36	28	32	31	34	30	35	51	40	31	35
30	July 25-31 -	30	28	37	33	50	36	51	37	49	35	58	38	49	36	51	37	51	38	38	36	27	32	39	34	43	36	57	40	46	36
31	Aug. 1-7 -	17	28	13	32	21	35	33	37	20	34	25	36	22	35	20	36	13	37	19	36	14	31	16	34	17	35	32	40	19	35
32	8-14 -	24	28	27	32	32	35	31	37	34	37	34	37	32	35	22	36	32	37	38	36	21	31	34	34	29	35	48	40	31	35
33	15-21 -	12	27	19	32	26	35	37	37	30	34	44	37	31	35	44	36	38	37	57	37	34	31	47	34	41	35	74	41	37	35
34	Aug. 22-28 -	22	27	38	32	51	35	52	37	50	35	52	38	48	35	25	35	38	37	54	37	19	31	37	34	35	35	71	42	42	35
	Summer Percentages.	27		31		37		41		37		41		37		35		37		39		29		31		35		48		38	
35	Aug. 29-Sept. 4	18	27	34	32	41	36	32	37	37	35	36	38	36	35	43	36	47	37	49	37	41	31	51	35	47	35	53	43	42	35
36	Sept. 5-11 -	43	27	52	32	58	36	68	38	64	36	76	39	63	36	49	36	59	38	71	38	43	31	49	35	54	36	82	44	59	36
37	12-18 -	39	28	36	33	37	36	42	38	36	36	47	39	39	36	29	36	36	38	37	38	31	31	29	35	33	36	49	44	38	36
38	19-25 -	16	27	20	32	30	36	45	39	38	36	45	39	36	36	16	35	37	38	37	38	26	31	32	35	23	36	44	44	33	36
39	Sept. 26-Oct. 2	37	28	43	32	45	36	35	38	32	36	27	39	37	36	46	36	38	38	22	38	31	31	34	35	35	36	22	43	36	36
40	Oct. 3-9 -	41	28	42	33	21	36	26	38	13	35	24	39	25	36	15	35	24	37	25	38	22	31	25	35	20	35	34	43	23	36
41	10-16 -	33	28	35	33	24	36	28	38	14	35	21	38	25	36	33	35	34	37	29	37	29	31	41	35	33	35	39	43	29	36
42	17-23 -	31	28	15	32	12	35	21	38	7	34	19	38	15	35	10	35	19	37	30	37	18	31	25	35	21	37	25	43	18	35
43	Oct. 24-30	18	28	19	32	16	35	15	37	20	34	18	38	17	35	25	35	27	37	36	37	35	31	34	34	32	35	37	43	25	35
44	Oct. 31-Nov. 6	24	28	25	32	24	35	20	37	29	34	32	37	26	35	41	35	39	37	49	37	41	31	35	34	42	35	40	43	35	35
45	Nov. 7-13	12	28	22	32	32	35	21	37	25	34	24	37	25	35	21	34	23	37	19	37	13	31	24	34	19	35	27	42	22	35
46	14-20 -	38	28	43	32	33	35	49	37	40	34	50	37	44	35	33	34	48	37	51	37	49	31	46	34	46	35	35	42	44	35
47	Nov. 21-27	5	28	15	32	19	35	21	37	16	33	27	37	19	35	21	34	30	37	33	37	9	31	16	34	28	35	15	42	21	35
	Autumn Percentages.	27		31		30		33		29		34		31		29		35		38		30		34		33		39		32	
48	Nov. 28-Dec. 4	11	27	12	31	14	34	12	36	9	33	5	37	11	34	13	34	10	36	6	37	16	30	12	34	11	34	13	41	11	34
49	Dec. 5-11 -	7	27	13	31	18	34	16	36	17	33	18	37	17	34	18	34	12	36	13	37	27	30	30	34	19	34	14	41	19	34
50	12-18 -	7	27	11	31	27	34	14	36	16	33	17	36	17	34	20	34	20	36	24	36	16	30	22	34	19	34	26	41	19	34
51	19-25 -	3	27	3	31	10	34	11	35	7	32	15	36	10	34	4	33	9	36	14	36	1	30	15	33	10	34	16	41	10	34
52	Dec. 26-Jan. 1	5	26	4	31	7	33	14	35	12	32	11	36	10	33	8	33	10	35	7	36	17	30	14	33	12	33	17	40	10	33

Meteorological Office,
South Kensington, London, S.W.,

March 10th, 1916.